



**CONESTOGA-ROVERS
& ASSOCIATES**

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January 9, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Dear Ms. Patterson:

Re: Progress Report: December 1 through 31, 2012
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAO) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. SS 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 for the period of December 1 through 31, 2012.

The next Progress Report for the month of January 2013 will be submitted on or before February 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

On December 5, 2012, the Respondents provided revised conceptual site model (CSM) figures to USEPA, Ohio EPA, and CH2M Hill.

On December 6, and 13, 2012, Dynamac Corporation, USEPA's consultant, provided the Respondents with updated mitigation summary database Excel tables.

On December 6, 2012, the Respondents provided USEPA with a summary table of proposed next steps for buildings with indoor air benzene or chloroform issues. On December 18, 2012, the Respondents notified USEPA of the installation date of sub-slab soil vapor probes, and requested Dynamac Corporation to indicate its availability in January for confirmatory



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sampling. On December 19, 2012, Dynamac Corporation provided the Respondents with available dates for oversight of the confirmatory vapor intrusion sampling. On December 19, 2012, the Respondents installed new sub-slab soil vapor probes on 2233 Rear East River Road, 2232 East River Road, and 2373 East River Road, in accordance with the mitigation next steps provided to USEPA on December 6. On December 20, 2012, the Respondents confirmed the start date of January 8, 2013 for confirmatory sampling with Dynamac Corporation and USEPA.

On December 6, 13, and 20, 2012, the Respondents and USEPA participated in conference calls regarding USEPA requirements for mitigation as a result of the VI Investigation data. The Respondents provided a summary of the weekly conference call held with USEPA Removal Program representatives on December 6, 13, and 20, 2012. On December 13, 2012, the Respondents provided USEPA with draft sections 1 to 4 of the Mitigation Work Plan for review. USEPA issued its comments on these sections to the Respondents on December 20, 2012.

On December 6, and 10, 2012, Dynamac Corporation provided the Respondents, USEPA, and Ohio EPA with copies of the results letters for Buildings 34 through 36, and Buildings 23, 24, 28, 34, and the Village Park Community Main Office Building.

On December 7, 2012, the Respondents provided the Vapor Intrusion Investigation Summary Report to USEPA, Ohio EPA, and CH2M Hill.

On December 13, 2012, Valley Asphalt Corporation informed the Respondents of a two-week shutdown from December 21, 2012 to January 6, 2013. During the December 20, 2012, conference call the Respondents informed USEPA and Ohio EPA of the shut down and expected lack of weekly methane readings from 1903 Dryden Road, Valley Asphalt Parcel 5054 Building 2 between December 21, 2012 and January 6, 2013.

On December 21, 2012, USEPA provided the Respondents with comments on the revised DQOs and CSM for Operable Unit One.

In December 2012, in order to monitor elevated lower explosive limit (LEL) readings, the Respondents collected weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from Valley Asphalt Parcel 5054 Building 2 at 1903 Dryden Road, and SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in Tables 1 and 2, respectively.



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SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to complete the OU1 investigation and address vapor intrusion issues at and in the vicinity of the Site
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and draft a mitigation work plan
- The Respondents will attempt to complete the proposed environmental investigation of the DP&L property, pending receipt of access to complete the work
- The combustible gas indicator (i.e., methane) monitors for Valley Asphalt Parcel 5054 Building 2 at 1903 Dryden Road, and SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road have been purchased, received, and will be installed once access to the buildings is available

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley, P. Eng., P.E.

VC/cb/7

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
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Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------|--------------|--------------------|---------------------|------------------------------------|----------------------|--------------------------------|---------------------------------------|
| Office ambient air, without filter | 1/10/2012 | -- | 0.2 | 21.4 | 0.1 | 0.0 | NM | | |
| Sub-slab probe B (office) without filter | | -- | 1.2 | 21.2 | 0.1 | 0.0 | NM | | |
| Warehouse ambient air, without filter | | -- | 0.5 | 22.8 | 0.1 | 0.0 | NM | | |
| Sub-slab probe A (warehouse) without filter | | -- | 50.1 | 4.6 | 3.9 | 7.6 | NM | | |
| Warehouse ambient air, without filter | 1/19/2012 | 10:40 | 0.1 | 24.1 | 0.0 | 0.0 | ND(1) ^[1] | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 72.4 | 5.7 | 3.1 | 5.2 | >100 | | |
| Sub-slab probe B (office) without filter | | 11:22 | 6.2 | 23.2 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | 1/24/2012 | 11:05 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:14 | 52.7 | 5.7 | 3.1 | 5.1 | >100 | | |
| Office ambient air, without filter | | 10:50 | 0.0 | 23.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office), without filter | | 10:57 | 2.5 | 21.7 | 0.1 | 0.0 | 0 | | |
| Office ambient air, without filter | 1/31/2012 | 10:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:12 | 5.8 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:30 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:17 | 72.4 | 1.9 | 3.8 | 6.9 | >100 | | |
| Office ambient air, without filter | 2/7/2012 | 10:14 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 5.9 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:24 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 67.2 | 6.3 | 3.0 | 6.5 | >100 | | |
| Office ambient air, without filter | 2/15/2012 | 11:00 | 0.1 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:02 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:52 | 52.2 | 9.8 | 0.6 | 3.7 | 73 | | |
| Sub-slab probe A (warehouse) without filter | | 13:49 | 52.2 | 4.8 | 3.2 | 6.5 | R ^[3] | | |
| Office ambient air, without filter | 2/23/2012 | 14:00 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 2.3 | 20.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 2.3 | 20.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 19.5 | 5.5 | 0.6 | 5.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 19.5 | 1.6 | 4.2 | 8.2 | >100 | | |
| Office ambient air, without filter | 3/1/2012 | 12:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:43 | 5.2 | 22.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:44 | 5.2 | 22.0 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:21 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:55 | 71.9 | 6.0 | 1.2 | 5.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:58 | 71.9 | 15.9 | 1.7 | 5.6 | 90 ^[4] | | |
| Office ambient air, without filter | 3/8/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 1.4 | 20.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:45 | 20.2 | 1.3 | 2.4 | 4.8 | 96 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------|--------------|--------------------|---------------------|------------------------------------|----------------------|--------------------------------|---------------------------------------|
| Office ambient air, without filter | 3/13/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 7:51 | 50.0 | 1.8 | 3.1 | 6.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 7:51 | 50.0 | 1.8 | 5.1 | 8.8 | >100 | | |
| Office ambient air, without filter | 3/22/2012 | 12:15 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:42 | 1.1 | 19.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:40 | 1.1 | 19.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:38 | 43.8 | 1.3 | 4.5 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:50 | 43.8 | 1.2 | 5.7 | 10.4 | >100 | | |
| Office ambient air, without filter | 3/27/2012 | 10:40 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:52 | 2.2 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 2.2 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:43 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:59 | 29.7 | 2.7 | 4.2 | 9.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:01 | 29.7 | 1.7 | 6.2 | 12.0 | >100 | | |
| Office ambient air, without filter | 4/3/2012 | 12:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:06 | 4.4 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:08 | 4.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:59 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 45.1 | 1.2 | 2.9 | 11.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:16 | 45.1 | 1.0 | 5.7 | 13.3 | >100 | | |
| Office ambient air, without filter | 4/10/2012 | 11:30 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 3.9 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:48 | 3.9 | 20.6 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:40 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:58 | 74.8 | 1.2 | 3.5 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:01 | 74.8 | 1.5 | 5.4 | 15.1 | >100 | | |
| Office ambient air, without filter | 4/17/2012 | 10:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:09 | 3.0 | 20.7 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 3.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:35 | 34.6 | 1.0 | 4.2 | 11.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:42 | 34.6 | 0.6 | 5.5 | 14.3 | >100 | | |
| Office ambient air, without filter | 4/26/2012 | 12:20 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:36 | 4.1 | 20.0 | 1.6 | 0.3 ^[4] | 10 ^[4] | | |
| Sub-slab probe B (office) without filter | | 12:38 | 4.1 | 20.5 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | | 11:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:14 | 20.5 | 0.7 | 3.7 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:17 | 20.5 | 15.9 | 1.5 | 3.2 ^[4] | 94 ^[4] | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------|--------------|--------------------|---------------------|------------------------------------|---------|--------------------------------|---------------------------------------|
| Office ambient air, without filter | 5/3/2012 | 9:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:08 | 1.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 1.6 | 20.2 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:14 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:24 | 24.4 | 19.1 | 0.2 | 1.3 | 28 | | |
| Sub-slab probe A (warehouse) without filter | | 11:25 | 24.4 | 17.1 | 1.1 | 2.2 | 57 | | |
| Office ambient air, without filter | 5/10/2012 | 14:27 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:36 | 1.5 | 21.0 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:38 | 1.5 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:34 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 34.9 | 1.7 | 2.9 | 14 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 34.9 | 0.7 | 5.8 | 16.7 | >100 | | |
| Office ambient air, without filter | 5/15/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:15 | 1.8 | 18.5 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:15 | 1.8 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:51 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:59 | 22.2 | 1.3 | 0.8 | 13.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:59 | 22.2 | 2.0 | 5.0 | 14.5 | >100 | | |
| Office ambient air, without filter | 5/24/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:35 | 2.2 | 20.3 | 0.2 | 0.2 | 4 | | |
| Sub-slab probe B (office) without filter | | 14:41 | 2.2 | 20.3 | 0.3 | 0.3 | 4 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:15 | 19.7 | 1.2 | 4.3 | 14.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:22 | 19.7 | 0.6 | 3.6 | 18.6 | >100 | | |
| Office ambient air, without filter | 5/31/2012 | 9:40 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:53 | 2.8 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:06 | 2.8 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:13 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:26 | 46.4 | 1.1 | 5.1 | 15.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:50 | 46.4 | 1.5 | 6.5 | 17.9 | >100 | | |
| Office ambient air, without filter | 6/7/2012 | 9:22 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:30 | 4.6 | 20.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:41 | 4.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:49 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:57 | 82.3 | 0.4 | 5.7 | 16.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:04 | 82.3 | 1.2 | 6.3 | 19.8 | >100 | | |
| Office ambient air, without filter | 6/14/2012 | 9:55 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:04 | 11.5 | 19.9 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:12 | 11.5 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:19 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:32 | 35.3 | 8.2 | 3.5 | 11.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:40 | 35.3 | 0.9 | 6.4 | 20.3 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------|--------------|--------------------|---------------------|------------------------------------|------------------|--------------------------------|---------------------------------------|
| Office ambient air, without filter | 6/19/2012 | 9:48 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:05 | 3.7 | 19.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:07 | 3.7 | 19.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:37 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:08 | 38.1 | 1.4 | 5.7 | 16.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:09 | 38.1 | 1.0 | 6.5 | 22.3 | >100 | | |
| Office ambient air, without filter | 6/28/2012 | 9:13 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:29 | 0.8 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:29 | 0.8 | 19.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:35 | 0.0 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:49 | 59.1 | 17.8 | 0.4 | 3 | 66 | | |
| Sub-slab probe A (warehouse) without filter | | 9:49 | 59.1 | 12.4 | 2.9 | 9 | >100 | | |
| Office ambient air, without filter | 7/3/2012 | 10:35 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:53 | 2.7 | 18.2 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:55 | 2.7 | 18.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:44 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:00 | 54.1 | 1.2 | 6.6 | 20.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:02 | 54.1 | 1.1 | 4.1 | 17 | >100 | | |
| Office ambient air, without filter | 7/11/2012 | 14:02 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 10.2 | 18.0 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 10.2 | 18.1 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:25 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:33 | 60.3 | 1.4 | 7.1 | 19.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:33 | 60.3 | 1.3 | 4.0 | 15.2 | >100 | | |
| Office ambient air, without filter | 7/19/2012 | 14:20 | 0.0 | 20.7 | 0.0 | 0.1 ^[4] | 1 ^[4] | | |
| Sub-slab probe B (office) with filter | | 14:27 | 25.5 | 18.9 | 2.7 | 0.8 ^[4] | 7 ^[4] | | |
| Sub-slab probe B (office) without filter | | 14:27 | 25.5 | 19.0 | 0.8 | 0.0 | 1 | | |
| Warehouse ambient air, without filter | | 14:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:13 | 24.2 | 1.3 | 7.4 | 17.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:13 | 24.2 | 1.3 | 7.1 | 22.7 | >100 | | |
| Office ambient air, without filter | 7/26/2012 | 9:08 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 0.3 | 18.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:20 | 0.3 | 18.5 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:25 | 0.0 | 20.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:33 | 1.1 | 3.3 | 4.9 | 15.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:33 | 1.1 | 0.6 | 7.1 | 24.7 | >100 | | |
| Office ambient air, with filter | 8/2/2012 | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | 90s | none |
| Office ambient air, without filter | | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 8:59 | 63.2 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 8:59 | 63.2 | 19.4 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:14 | 115.9 | 6.6 | 0.8 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:14 | 115.9 | 6.2 | 5.2 | 15.7 | >100 | | |
| Office ambient air, with filter | 8/7/2012 | 10:29 | -- | -- | -- | -- | 0 | Low 90s | none |
| Office ambient air, without filter | | 10:29 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:32 | -- | -- | -- | -- | 0 | | |
| Sub-slab probe B (office) without filter | | 10:32 | 7.4 | 18.6 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 10:40 | -- | -- | -- | -- | 0 | | |
| Warehouse ambient air, without filter | | 10:40 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:45 | -- | -- | -- | -- | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:45 | 53.7 | 5.2 | 5.2 | 24.6 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------|--------------|--------------------|---------------------|------------------------------------|------------------|--------------------------------|---|
| Office ambient air, with filter | 8/16/2012 | 12:53 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| Office ambient air, without filter | | 12:53 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:02 | 7.7 | 19.3 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:02 | 7.7 | 19.2 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:57 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:57 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 42.5 | 0.3 | 5.9 | 18.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:15 | 42.5 | 1.6 | 5.9 | 22.6 | >100 | | |
| Office ambient air, with filter | 8/21/2012 | 15:00 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | 80s | none |
| Office ambient air, without filter | | 15:00 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:16 | 4.3 | 19.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:16 | 4.3 | 20.3 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:40 | 46.7 | 15.4 | 0.6 | 18.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:40 | 46.7 | 14.7 | 1.7 | 23.9 | >100 | | |
| Office ambient air, without filter | 8/30/2012 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 80s | none |
| Sub-slab probe B (office) with filter | | 15:19 | 0.0 | 19.3 | 1.3 | 0.2 ^[4] | 3 ^[4] | | |
| Sub-slab probe B (office) without filter | | 15:19 | 0.0 | 19.3 | 1.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:50 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 62.7 | 0.7 | 6.4 | 16.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 62.7 | 0.4 | 6.0 | 25.1 | >100 | | |
| Office ambient air, with filter | 9/6/2012 | | 0.0 | 19.8 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 |
| Office ambient air, without filter | | | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:24 | 6.2 | 18.4 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:24 | 6.2 | 18.8 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 108.4 | 0.9 | 3.7 | 17.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 108.4 | 0.4 | 5.8 | 24.6 | >100 | | |
| Office ambient air, with filter | 9/13/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 2.3 | 19.5 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:47 | 2.3 | 19.2 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:55 | 35.2 | 0.6 | 4.6 | 19.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:55 | 35.2 | 0.7 | 5.6 | 22.9 | >100 | | |
| Office ambient air, with filter | 9/20/2012 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:57 | 1.1 | 19.9 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:57 | 1.1 | 19.7 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:05 | 0.0 | 21.2 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:13 | 48.4 | 1.1 | 4.8 | 16.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:13 | 48.4 | 1.0 | 5.1 | 21.9 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|------------|-------|--------------|--------------------|---------------------|------------------------------------|---------|--------------------------------|---------------------------------------|
| Office ambient air, with filter | 9/27/2012 | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | 60s - 70s | none |
| Office ambient air, without filter | | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 3.1 | 19.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 3.1 | 20.0 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:05 | 81.1 | 1.3 | 3.3 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:05 | 81.1 | 15.0 | 1.3 | 16.2 | >100 | | |
| Office ambient air, with filter | 10/2/2012 | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | mid 60s | light rain |
| Office ambient air, without filter | | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:45 | 1.5 | 20.2 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:45 | 1.5 | 20.1 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:00 | 91.4 | 0.5 | 5.6 | 15.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:00 | 91.4 | 0.2 | 4.9 | 21.3 | >100 | | |
| Office ambient air, with filter | 10/18/2012 | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | mid 70s | none |
| Office ambient air, without filter | | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 3.1 | 21.0 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 3.1 | 21.1 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:51 | 59.6 | 0.7 | 3.6 | 15.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:51 | 59.6 | 1.6 | 4.2 | 18.0 | >100 | | |
| Office ambient air, with filter | 10/25/2012 | 13:54 | 0.0 | 20.0 | 0.1 | 0.0 | 0 | 70s | none |
| Office ambient air, without filter | | 13:54 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 19.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 48.8 | 0.2 | 4.0 | 14.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 48.8 | 0.2 | 4.2 | 17.9 | >100 | | |
| Office ambient air, with filter | 10/30/2012 | 14:15 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| Office ambient air, without filter | | 14:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.3 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.3 | 20.4 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:24 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:24 | 0.0 | 27.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:15 | 15.5 | 0.6 | 2.4 | 14.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:15 | 15.5 | 0.4 | 4.0 | 17.7 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|------------|-------|--------------|--------------------|---------------------|------------------------------------|---------|--------------------------------|---------------------------------------|
| Office ambient air, with filter | 11/8/2012 | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:32 | 2.0 | 20.1 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:32 | 2.0 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:44 | 1.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:44 | 1.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:44 | 83.6 | 0.3 | 2.9 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:44 | 83.6 | 0.5 | 3.6 | 16.0 | >100 | | |
| Office ambient air, with filter | 11/15/2012 | 14:24 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:24 | 0.0 | 22.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.7 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 21.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:53 | 21.9 | 0.3 | 3.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:53 | 21.9 | 0.2 | 3.5 | 16.4 | >100 | | |
| Office ambient air, with filter | 11/20/2012 | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 50s | Trace |
| Office ambient air, without filter | | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:48 | 0.0 | 20.3 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:48 | 0.0 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 79.6 | 0.1 | 3.4 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 79.6 | 0.1 | 3.5 | 17.5 | >100 | | |
| Office ambient air, with filter | 11/29/2012 | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| Office ambient air, without filter | | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:13 | 0.9 | 20.3 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:13 | 0.9 | 20.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 32.5 | 0.4 | 3.2 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 32.5 | 0.3 | 3.2 | 16.1 | >100 | | |
| Office ambient air, with filter | 12/4/2012 | 14:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 20.1 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:47 | 33.1 | 0.9 | 3.5 | 12.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:47 | 33.1 | 0.8 | 3.5 | 14.8 | >100 | | |
| Office ambient air, with filter | 12/13/2012 | 14:41 | 0.0 | 21.2 | 0.0 | 0.1 U | 2 U | 40s | None |
| Office ambient air, without filter | | 14:41 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:27 | 1.1 | 20.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:27 | 1.1 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:38 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:38 | 0.0 | 21.1 | 0.1 | 0.1 U | 2 U | | |
| Sub-slab probe A (warehouse) with filter | | 15:42 | 35.9 | 0.8 | 2.4 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:42 | 35.9 | 0.5 | 3.2 | 15.2 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|------------|---|--------------|--------------------|---------------------|------------------------------------|---------|--------------------------------|---------------------------------------|
| Office ambient air, with filter | 12/18/2012 | 12:49 | 0.0 | 21.9 | 0.0 | 0.0 | 1 U | 40s | None |
| Office ambient air, without filter | | 12:59 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.2 | 20.3 | 2.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.2 | 20.2 | 3.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 21.8 | 0.0 | 0.1 U | 2 U | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:02 | 30.4 | 0.3 | 2.9 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:02 | 30.4 | 0.6 | 3.5 | 15.4 | >100 | | |
| 1903 Dryden Road, Valley Asphalt, Parcel 5054 Building 2 (Quonset Hut) | 12/27/2012 | Property closed from December 21, 2012 to January 6, 2013 | | | | | | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

^[3] - Value was rejected (R) due to suspected transcription error or meter malfunction.

^[4] - Anomalous Value. Suspected instrument carry-over or transcription error.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).


 - Unfiltered value is lower than filtered value, indicating either a transcription error, or issue with sampling or data quality.

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0 | ND(1) ¹ | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1 | 3.3 | 0.8 | 18 | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21 | 0.1 | 0 | 0 | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3 | 0 | 0 | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0 | 0 | 0 | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0 | 0 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3 | 5.1 | 1.1 | 24 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3 | 0.5 | 0.8 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 | 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | -- | 0 | low 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0.0 | 0 | 80 - low 90s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | 39 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | 57 | | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|--|------|
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | |
| 5173 / 1 / C / Storage area without filter | | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | 41 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | 52 | | | |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | | 60s - 70s | none |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | mid 60s | light rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | 40 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | 56 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | mid 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | | |
| | | | | | | | | | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|------------|-------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 70s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 30s - 40s | snow & rain |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 50s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | | |
| 5173 / 1 / C / Storage area without filter | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID</i> <i>Time</i> | <i>O₂</i> <i>(ppm)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> |
|---|--------------|---------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|
|---|--------------|---------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).



**CONESTOGA-ROVERS
& ASSOCIATES**

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February 8, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: January 1 through 31, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAO) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. SS 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 for the period of January 1 through 31, 2013.

The next Progress Report for the month of February 2013 will be submitted on or before March 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

On January 3, 10, 17, 24, and 31, 2013, USEPA, Ohio EPA, Dynamac, and the Respondents participated in conference calls regarding USEPA requirements for vapor intrusion (VI) mitigation. In January 2013, the Respondents provided summaries or meeting minutes of conference calls held on December 20, 2012, and all conference calls held in January 2013.

Between January 7 and 10, 2013, the Respondents completed a synoptic methane monitoring round during a period in which the barometric pressured ranged from 30.2 to 30.5 inches of mercury.



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& ASSOCIATES**

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On January 9 and 10, 2013, the Respondents completed confirmatory sampling of buildings with indoor air benzene or chloroform issues.

On January 10, and 11, 2013, the Respondents provided USEPA with comments on a sub-slab depressurization system (SSDS) acceptance letter, and estimated electricity costs for SSDS operation, respectively.

On January 10, 17, and 24, 2013, the Respondents provided USEPA with draft sections of the VI Mitigation Work Plan for review. On January 17, 2013, USEPA's consultant, Dynamac, requested that the Respondents provide a draft Site map detailing the properties proposed for mitigation, which the Respondents provided on January 18, 2013.

On January 16, 2013, USEPA requested that the Respondents provide their data from the USEPA gas probes. On January 18, 2013, the Respondents provided methane field values measured weekly at GP-2, and field measurements at all USEPA soil gas probes measured during the high-pressure synoptic round on January 10, 2013.

On January 23, 2013, USEPA, Ohio EPA, CH2M Hill, and the Respondents participated in a meeting to discuss the conceptual site model, understanding of OU1 and OU2, OU1 data gaps and tasks, groundwater DQOs and investigation, OU2 Remedial Investigation/Feasibility Study. On January 31, 2013, USEPA, Ohio EPA, and the Respondents began bi-weekly conference calls following-up on discussion points from the January 23, 2013 meeting.

On January 24, 2013, Ohio EPA provided the Respondents with a guidance document regarding location of explosive gas monitors at landfills, titled DSIWN Guidance 0531: Locating Explosive Gas Monitors, (Ohio EPA, January 7, 2004).

On January 24, and 31, 2013, the Respondents installed Model 2001 Sierra Gas Monitors at 1903 Dryden Road (Valley Asphalt, Building 2, Parcel 5054), and 2031 Dryden Road (SIM Trainer Building 15, Parcel 5173), respectively.

On January 25, 2013, the Respondents provided the USEPA with a link to the Field Sampling Plan (FSP) referenced in the draft VI Mitigation Work Plan.

In January 2013, in order to monitor elevated lower explosive limit (LEL) readings, the Respondents collected weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from Valley Asphalt Parcel 5054 Building 2 at 1903 Dryden Road, and SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in



**CONESTOGA-ROVERS
& ASSOCIATES**

February 8, 2013

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Tables 1 and 2, respectively. Table 3 presents field screening values for USEPA soil gas probe GP-2.

SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to complete the OU1 investigation and address vapor intrusion issues at and in the vicinity of the Site
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and draft a mitigation work plan
- The Respondents will attempt to complete the proposed environmental investigation of the DP&L property, pending receipt of access to complete the work

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley, P. Eng., P.E.

VC/cb/1

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Laura Marshall, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 1/10/2012 | -- | 0.2 | 21.4 | 0.1 | 0.0 | NM | | |
| Sub-slab probe B (office) without filter | | -- | 1.2 | 21.2 | 0.1 | 0.0 | NM | | |
| Warehouse ambient air, without filter | | -- | 0.5 | 22.8 | 0.1 | 0.0 | NM | | |
| Sub-slab probe A (warehouse) without filter | | -- | 50.1 | 4.6 | 3.9 | 7.6 | NM | | |
| Warehouse ambient air, without filter | 1/19/2012 | 10:40 | 0.1 | 24.1 | 0.0 | 0.0 | ND(1) ^[1] | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 72.4 | 5.7 | 3.1 | 5.2 | >100 | | |
| Sub-slab probe B (office) without filter | | 11:22 | 6.2 | 23.2 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | 1/24/2012 | 11:05 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:14 | 52.7 | 5.7 | 3.1 | 5.1 | >100 | | |
| Office ambient air, without filter | | 10:50 | 0.0 | 23.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office), without filter | | 10:57 | 2.5 | 21.7 | 0.1 | 0.0 | 0 | | |
| Office ambient air, without filter | 1/31/2012 | 10:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:12 | 5.8 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:30 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:17 | 72.4 | 1.9 | 3.8 | 6.9 | >100 | | |
| Office ambient air, without filter | 2/7/2012 | 10:14 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 5.9 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:24 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 67.2 | 6.3 | 3.0 | 6.5 | >100 | | |
| Office ambient air, without filter | 2/15/2012 | 11:00 | 0.1 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:02 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:52 | 52.2 | 9.8 | 0.6 | 3.7 | 73 | | |
| Sub-slab probe A (warehouse) without filter | | 13:49 | 52.2 | 4.8 | 3.2 | 6.5 | R ^[3] | | |
| Office ambient air, without filter | 2/23/2012 | 14:00 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 2.3 | 20.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 2.3 | 20.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 19.5 | 5.5 | 0.6 | 5.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 19.5 | 1.6 | 4.2 | 8.2 | >100 | | |
| Office ambient air, without filter | 3/1/2012 | 12:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:43 | 5.2 | 22.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:44 | 5.2 | 22.0 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:21 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:55 | 71.9 | 6.0 | 1.2 | 5.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:58 | 71.9 | 15.9 | 1.7 | 5.6 | 90 ^[4] | | |
| Office ambient air, without filter | 3/8/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 1.4 | 20.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:45 | 20.2 | 1.3 | 2.4 | 4.8 | 96 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 3/13/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 7:51 | 50.0 | 1.8 | 3.1 | 6.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 7:51 | 50.0 | 1.8 | 5.1 | 8.8 | >100 | | |
| Office ambient air, without filter | 3/22/2012 | 12:15 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:42 | 1.1 | 19.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:40 | 1.1 | 19.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:38 | 43.8 | 1.3 | 4.5 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:50 | 43.8 | 1.2 | 5.7 | 10.4 | >100 | | |
| Office ambient air, without filter | 3/27/2012 | 10:40 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:52 | 2.2 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 2.2 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:43 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:59 | 29.7 | 2.7 | 4.2 | 9.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:01 | 29.7 | 1.7 | 6.2 | 12.0 | >100 | | |
| Office ambient air, without filter | 4/3/2012 | 12:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:06 | 4.4 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:08 | 4.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:59 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 45.1 | 1.2 | 2.9 | 11.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:16 | 45.1 | 1.0 | 5.7 | 13.3 | >100 | | |
| Office ambient air, without filter | 4/10/2012 | 11:30 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 3.9 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:48 | 3.9 | 20.6 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:40 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:58 | 74.8 | 1.2 | 3.5 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:01 | 74.8 | 1.5 | 5.4 | 15.1 | >100 | | |
| Office ambient air, without filter | 4/17/2012 | 10:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:09 | 3.0 | 20.7 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 3.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:35 | 34.6 | 1.0 | 4.2 | 11.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:42 | 34.6 | 0.6 | 5.5 | 14.3 | >100 | | |
| Office ambient air, without filter | 4/26/2012 | 12:20 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:36 | 4.1 | 20.0 | 1.6 | 0.3 ^[4] | 10 ^[4] | | |
| Sub-slab probe B (office) without filter | | 12:38 | 4.1 | 20.5 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | | 11:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:14 | 20.5 | 0.7 | 3.7 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:17 | 20.5 | 15.9 | 1.5 | 3.2 ^[4] | 94 ^[4] | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, without filter | 5/3/2012 | 9:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:08 | 1.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 1.6 | 20.2 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:14 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:24 | 24.4 | 19.1 | 0.2 | 1.3 | 28 | | |
| Sub-slab probe A (warehouse) without filter | | 11:25 | 24.4 | 17.1 | 1.1 | 2.2 | 57 | | |
| Office ambient air, without filter | 5/10/2012 | 14:27 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:36 | 1.5 | 21.0 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:38 | 1.5 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:34 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 34.9 | 1.7 | 2.9 | 14 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 34.9 | 0.7 | 5.8 | 16.7 | >100 | | |
| Office ambient air, without filter | 5/15/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:15 | 1.8 | 18.5 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:15 | 1.8 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:51 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:59 | 22.2 | 1.3 | 0.8 | 13.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:59 | 22.2 | 2.0 | 5.0 | 14.5 | >100 | | |
| Office ambient air, without filter | 5/24/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:35 | 2.2 | 20.3 | 0.2 | 0.2 | 4 | | |
| Sub-slab probe B (office) without filter | | 14:41 | 2.2 | 20.3 | 0.3 | 0.3 | 4 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:15 | 19.7 | 1.2 | 4.3 | 14.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:22 | 19.7 | 0.6 | 3.6 | 18.6 | >100 | | |
| Office ambient air, without filter | 5/31/2012 | 9:40 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:53 | 2.8 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:06 | 2.8 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:13 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:26 | 46.4 | 1.1 | 5.1 | 15.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:50 | 46.4 | 1.5 | 6.5 | 17.9 | >100 | | |
| Office ambient air, without filter | 6/7/2012 | 9:22 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:30 | 4.6 | 20.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:41 | 4.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:49 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:57 | 82.3 | 0.4 | 5.7 | 16.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:04 | 82.3 | 1.2 | 6.3 | 19.8 | >100 | | |
| Office ambient air, without filter | 6/14/2012 | 9:55 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:04 | 11.5 | 19.9 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:12 | 11.5 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:19 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:32 | 35.3 | 8.2 | 3.5 | 11.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:40 | 35.3 | 0.9 | 6.4 | 20.3 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| Office ambient air, without filter | 6/19/2012 | 9:48 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:05 | 3.7 | 19.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:07 | 3.7 | 19.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:37 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:08 | 38.1 | 1.4 | 5.7 | 16.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:09 | 38.1 | 1.0 | 6.5 | 22.3 | >100 | | |
| Office ambient air, without filter | 6/28/2012 | 9:13 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:29 | 0.8 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:29 | 0.8 | 19.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:35 | 0.0 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:49 | 59.1 | 17.8 | 0.4 | 3 | 66 | | |
| Sub-slab probe A (warehouse) without filter | | 9:49 | 59.1 | 12.4 | 2.9 | 9 | >100 | | |
| Office ambient air, without filter | 7/3/2012 | 10:35 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:53 | 2.7 | 18.2 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:55 | 2.7 | 18.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:44 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:00 | 54.1 | 1.2 | 6.6 | 20.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:02 | 54.1 | 1.1 | 4.1 | 17 | >100 | | |
| Office ambient air, without filter | 7/11/2012 | 14:02 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 10.2 | 18.0 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 10.2 | 18.1 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:25 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:33 | 60.3 | 1.4 | 7.1 | 19.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:33 | 60.3 | 1.3 | 4.0 | 15.2 | >100 | | |
| Office ambient air, without filter | 7/19/2012 | 14:20 | 0.0 | 20.7 | 0.0 | 0.1 ^[4] | 1 ^[4] | | |
| Sub-slab probe B (office) with filter | | 14:27 | 25.5 | 18.9 | 2.7 | 0.8 ^[4] | 7 ^[4] | | |
| Sub-slab probe B (office) without filter | | 14:27 | 25.5 | 19.0 | 0.8 | 0.0 | 1 | | |
| Warehouse ambient air, without filter | | 14:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:13 | 24.2 | 1.3 | 7.4 | 17.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:13 | 24.2 | 1.3 | 7.1 | 22.7 | >100 | | |
| Office ambient air, without filter | 7/26/2012 | 9:08 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 0.3 | 18.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:20 | 0.3 | 18.5 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:25 | 0.0 | 20.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:33 | 1.1 | 3.3 | 4.9 | 15.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:33 | 1.1 | 0.6 | 7.1 | 24.7 | >100 | | |
| Office ambient air, with filter | 8/2/2012 | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | 90s | none |
| Office ambient air, without filter | | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 8:59 | 63.2 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 8:59 | 63.2 | 19.4 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:14 | 115.9 | 6.6 | 0.8 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:14 | 115.9 | 6.2 | 5.2 | 15.7 | >100 | | |
| Office ambient air, with filter | 8/7/2012 | 10:29 | -- | -- | -- | -- | 0 | Low 90s | none |
| Office ambient air, without filter | | 10:29 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:32 | -- | -- | -- | -- | 0 | | |
| Sub-slab probe B (office) without filter | | 10:32 | 7.4 | 18.6 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 10:40 | -- | -- | -- | -- | 0 | | |
| Warehouse ambient air, without filter | | 10:40 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:45 | -- | -- | -- | -- | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:45 | 53.7 | 5.2 | 5.2 | 24.6 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|---|
| Office ambient air, with filter | 8/16/2012 | 12:53 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| Office ambient air, without filter | | 12:53 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:02 | 7.7 | 19.3 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:02 | 7.7 | 19.2 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:57 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:57 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 42.5 | 0.3 | 5.9 | 18.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:15 | 42.5 | 1.6 | 5.9 | 22.6 | >100 | | |
| Office ambient air, with filter | 8/21/2012 | 15:00 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | 80s | none |
| Office ambient air, without filter | | 15:00 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:16 | 4.3 | 19.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:16 | 4.3 | 20.3 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:40 | 46.7 | 15.4 | 0.6 | 18.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:40 | 46.7 | 14.7 | 1.7 | 23.9 | >100 | | |
| Office ambient air, without filter | 8/30/2012 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 80s | none |
| Sub-slab probe B (office) with filter | | 15:19 | 0.0 | 19.3 | 1.3 | 0.2 ^[4] | 3 ^[4] | | |
| Sub-slab probe B (office) without filter | | 15:19 | 0.0 | 19.3 | 1.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:50 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 62.7 | 0.7 | 6.4 | 16.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 62.7 | 0.4 | 6.0 | 25.1 | >100 | | |
| Office ambient air, with filter | 9/6/2012 | | 0.0 | 19.8 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 |
| Office ambient air, without filter | | | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:24 | 6.2 | 18.4 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:24 | 6.2 | 18.8 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 108.4 | 0.9 | 3.7 | 17.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 108.4 | 0.4 | 5.8 | 24.6 | >100 | | |
| Office ambient air, with filter | 9/13/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 2.3 | 19.5 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:47 | 2.3 | 19.2 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:55 | 35.2 | 0.6 | 4.6 | 19.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:55 | 35.2 | 0.7 | 5.6 | 22.9 | >100 | | |
| Office ambient air, with filter | 9/20/2012 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:57 | 1.1 | 19.9 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:57 | 1.1 | 19.7 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:05 | 0.0 | 21.2 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:13 | 48.4 | 1.1 | 4.8 | 16.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:13 | 48.4 | 1.0 | 5.1 | 21.9 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 9/27/2012 | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | 60s - 70s | none |
| Office ambient air, without filter | | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 3.1 | 19.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 3.1 | 20.0 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:05 | 81.1 | 1.3 | 3.3 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:05 | 81.1 | 15.0 | 1.3 | 16.2 | >100 | | |
| Office ambient air, with filter | 10/2/2012 | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | mid 60s | light rain |
| Office ambient air, without filter | | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:45 | 1.5 | 20.2 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:45 | 1.5 | 20.1 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:00 | 91.4 | 0.5 | 5.6 | 15.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:00 | 91.4 | 0.2 | 4.9 | 21.3 | >100 | | |
| Office ambient air, with filter | 10/18/2012 | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | mid 70s | none |
| Office ambient air, without filter | | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 3.1 | 21.0 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 3.1 | 21.1 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:51 | 59.6 | 0.7 | 3.6 | 15.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:51 | 59.6 | 1.6 | 4.2 | 18.0 | >100 | | |
| Office ambient air, with filter | 10/25/2012 | 13:54 | 0.0 | 20.0 | 0.1 | 0.0 | 0 | 70s | none |
| Office ambient air, without filter | | 13:54 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 19.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 48.8 | 0.2 | 4.0 | 14.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 48.8 | 0.2 | 4.2 | 17.9 | >100 | | |
| Office ambient air, with filter | 10/30/2012 | 14:15 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| Office ambient air, without filter | | 14:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.3 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.3 | 20.4 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:24 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:24 | 0.0 | 27.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:15 | 15.5 | 0.6 | 2.4 | 14.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:15 | 15.5 | 0.4 | 4.0 | 17.7 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 11/8/2012 | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:32 | 2.0 | 20.1 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:32 | 2.0 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:44 | 1.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:44 | 1.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:44 | 83.6 | 0.3 | 2.9 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:44 | 83.6 | 0.5 | 3.6 | 16.0 | >100 | | |
| Office ambient air, with filter | 11/15/2012 | 14:24 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:24 | 0.0 | 22.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.7 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 21.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:53 | 21.9 | 0.3 | 3.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:53 | 21.9 | 0.2 | 3.5 | 16.4 | >100 | | |
| Office ambient air, with filter | 11/20/2012 | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 50s | Trace |
| Office ambient air, without filter | | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:48 | 0.0 | 20.3 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:48 | 0.0 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 79.6 | 0.1 | 3.4 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 79.6 | 0.1 | 3.5 | 17.5 | >100 | | |
| Office ambient air, with filter | 11/29/2012 | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| Office ambient air, without filter | | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:13 | 0.9 | 20.3 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:13 | 0.9 | 20.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 32.5 | 0.4 | 3.2 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 32.5 | 0.3 | 3.2 | 16.1 | >100 | | |
| Office ambient air, with filter | 12/4/2012 | 14:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 20.1 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:47 | 33.1 | 0.9 | 3.5 | 12.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:47 | 33.1 | 0.8 | 3.5 | 14.8 | >100 | | |
| Office ambient air, with filter | 12/13/2012 | 14:41 | 0.0 | 21.2 | 0.0 | 0.1 U | 2 U | 40s | None |
| Office ambient air, without filter | | 14:41 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:27 | 1.1 | 20.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:27 | 1.1 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:38 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:38 | 0.0 | 21.1 | 0.1 | 0.1 U | 2 U | | |
| Sub-slab probe A (warehouse) with filter | | 15:42 | 35.9 | 0.8 | 2.4 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:42 | 35.9 | 0.5 | 3.2 | 15.2 | >100 | | |

TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|---|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 12/18/2012 | 12:49 | 0.0 | 21.9 | 0.0 | 0.0 | 1 U | 40s | None |
| Office ambient air, without filter | | 12:59 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.2 | 20.3 | 2.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.2 | 20.2 | 3.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 21.8 | 0.0 | 0.1 U | 2 U | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:02 | 30.4 | 0.3 | 2.9 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:02 | 30.4 | 0.6 | 3.5 | 15.4 | >100 | | |
| 1903 Dryden Road, Valley Asphalt, Parcel 5054 Building 2 (Quonset Hut) | 12/27/2012 | Property closed from December 21, 2012 to January 6, 2013 | | | | | | | |
| Office ambient air, with filter | 1/10/2013 | 12:21 | 0.0 | 20.2 | 0.2 | 0.0 | 0 | 30s | Trace |
| Office ambient air, without filter | | 12:21 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:37 | 0.4 | 20.2 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:37 | 0.4 | 20.3 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 20.4 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:50 | 8.2 | 0.9 | 2.1 | 10.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:50 | 8.2 | 1.2 | 3.2 | 11.5 | >100 | | |
| Office ambient air, with filter | 1/17/2013 | 12:35 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | none |
| Office ambient air, without filter | | 12:35 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.4 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:28 | 20.4 | 0.3 | 3.2 | 11.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:28 | 20.4 | 0.4 | 3.2 | 12.5 | >100 | | |
| Office ambient air, with filter | 1/24/2013 | 14:11 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 10s - 20s | none |
| Office ambient air, without filter | | 14:11 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:50 | 0.0 | 21.1 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:50 | 0.0 | 21.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 16:13 | 7.8 | 1.2 | 2.5 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 16:13 | 7.8 | 0.6 | 3.5 | 10.7 | >100 | | |
| Office ambient air, with filter | 1/31/2013 | 14:35 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | 10s - 20s | none |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:29 | 0.0 | 20.4 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:29 | 0.0 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:52 | 7.9 | 0.8 | 3.5 | 9.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:52 | 7.9 | 0.5 | 3.3 | 11.1 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|-------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
|-------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

^[3] - Value was rejected (R) due to suspected transcription error or meter malfunction.

^[4] - Anomalous Value. Suspected instrument carry-over or transcription error.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).


 - Unfiltered value is lower than filtered value, indicating either a transcription error, or issue with sampling or data quality.

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0 | ND(1) ¹ | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1 | 3.3 | 0.8 | 18 | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21 | 0.1 | 0 | 0 | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3 | 0 | 0 | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0 | 0 | 0 | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0 | 0 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3 | 5.1 | 1.1 | 24 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3 | 0.5 | 0.8 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|------------------------------|------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 | 38 | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 | 51 | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | 43 | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | 63 | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 90s | none |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | 38 | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | -- | 0 | low 90s | none |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | -- | 43 | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | 57 | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | 47 | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | 62 | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 80s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | 42 | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | 46 | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | 80s | none |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | 39 | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | 57 | | |
| | | | | | | | | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|--|------|
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | |
| 5173 / 1 / C / Storage area without filter | | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | 41 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | 52 | | | |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | | 60s - 70s | none |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | mid 60s | light rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | 40 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | 56 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | mid 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | | |
| | | | | | | | | | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID Time</i> | <i>O₂ (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|---------------------|--------------------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 70s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | 31 | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | 41 | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | 34 | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | 43 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | 27 | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | 33 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | 27 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 50s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | 9 | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | 16 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|------------------------------|------------------------------------|--|--|
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | | | |
| 5173 / 1 / C / Storage area without filter | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|-----------|-------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 10s - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 30s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID</i> <i>Time</i> | <i>O₂</i> <i>(ppm)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> |
|---|--------------|---------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|
|---|--------------|---------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

TABLE 3
GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | |
| GP-2 (16') without filter | | -- | -- | 2.0 | 11.6 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 4.6 | 10.0 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).



**CONESTOGA-ROVERS
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March 8, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
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77 West Jackson Boulevard
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Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: February 1 through 28, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAO) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. SS 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 for the period of February 1 through 28, 2013.

The next Progress Report for the month of March 2013 will be submitted on or before April 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

On January 31, 2013, the Respondents installed Model 2001 Sierra Gas Monitors at 2031 Dryden Road (SIM Trainer Building 15, Parcel 5173), and provided pictures to USEPA, Ohio EPA, and USEPA's contractor, Dynamac. On February 1, 2013, Ohio EPA requested, and the Respondents provided, clarification on the methane monitor location within SIM Trainer.

On February 7, 14, 21, and 28, 2013, USEPA, Ohio EPA, Dynamac, and the Respondents participated in conference calls regarding USEPA requirements for vapor intrusion (VI) mitigation. On February 28, 2013, prior to the conference call, the Respondents distributed an email detailing VI Mitigation work plan discussion points.



**CONESTOGA-ROVERS
& ASSOCIATES**

March 8, 2013

Reference No. 038443-12

- 2 -

On February 15, 2013, USEPA provided the Respondents with comments on the draft VI Mitigation Work Plan.

Between February 11, and 25, 2013, the Respondents completed an environmental investigation of the DP&L property.

On February 20, 2013, the Respondents requested permission from USEPA to complete visits to the eight Site buildings for which mitigation systems are proposed, prior to the anticipated meetings with property owners and tenants. The purpose of the building visits is to gather information that would aid in the design of sub-slab depressurization systems and help the Respondents finalize the contractor selection. USEPA provided approval on that same day. USEPA detailed the benefits and drawbacks of the proposed site visit during the conference call held on February 21, 2013.

On February 28, 2013, the Respondents provided preliminary proposed investigation locations for Phase 1A of the OU1 Groundwater Investigation, and a revised schedule.

In February 2013, in order to monitor elevated lower explosive limit (LEL) readings, the Respondents collected weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from Valley Asphalt Parcel 5054 Building 2 at 1903 Dryden Road, and SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in Tables 1 and 2, respectively. Table 3 presents field screening values measured by the Respondents in USEPA soil gas probe GP-2.

SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to complete the OU1 investigation and address vapor intrusion issues at and in the vicinity of the Site
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and draft a mitigation work plan



**CONESTOGA-ROVERS
& ASSOCIATES**

March 8, 2013

Reference No. 038443-12

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Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley, P. Eng., P.E.

VC/cb/2

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Laura Marshall, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 1/10/2012 | -- | 0.2 | 21.4 | 0.1 | 0.0 | NM | | |
| Sub-slab probe B (office) without filter | | -- | 1.2 | 21.2 | 0.1 | 0.0 | NM | | |
| Warehouse ambient air, without filter | | -- | 0.5 | 22.8 | 0.1 | 0.0 | NM | | |
| Sub-slab probe A (warehouse) without filter | | -- | 50.1 | 4.6 | 3.9 | 7.6 | NM | | |
| Warehouse ambient air, without filter | 1/19/2012 | 10:40 | 0.1 | 24.1 | 0.0 | 0.0 | ND(1) ^[1] | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 72.4 | 5.7 | 3.1 | 5.2 | >100 | | |
| Sub-slab probe B (office) without filter | | 11:22 | 6.2 | 23.2 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | 1/24/2012 | 11:05 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:14 | 52.7 | 5.7 | 3.1 | 5.1 | >100 | | |
| Office ambient air, without filter | | 10:50 | 0.0 | 23.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office), without filter | | 10:57 | 2.5 | 21.7 | 0.1 | 0.0 | 0 | | |
| Office ambient air, without filter | 1/31/2012 | 10:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:12 | 5.8 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:30 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:17 | 72.4 | 1.9 | 3.8 | 6.9 | >100 | | |
| Office ambient air, without filter | 2/7/2012 | 10:14 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 5.9 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:24 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 67.2 | 6.3 | 3.0 | 6.5 | >100 | | |
| Office ambient air, without filter | 2/15/2012 | 11:00 | 0.1 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:02 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:52 | 52.2 | 9.8 | 0.6 | 3.7 | 73 | | |
| Sub-slab probe A (warehouse) without filter | | 13:49 | 52.2 | 4.8 | 3.2 | 6.5 | R ^[3] | | |
| Office ambient air, without filter | 2/23/2012 | 14:00 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 2.3 | 20.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 2.3 | 20.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 19.5 | 5.5 | 0.6 | 5.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 19.5 | 1.6 | 4.2 | 8.2 | >100 | | |
| Office ambient air, without filter | 3/1/2012 | 12:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:43 | 5.2 | 22.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:44 | 5.2 | 22.0 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:21 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:55 | 71.9 | 6.0 | 1.2 | 5.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:58 | 71.9 | 15.9 | 1.7 | 5.6 | 90 ^[4] | | |
| Office ambient air, without filter | 3/8/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 1.4 | 20.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:45 | 20.2 | 1.3 | 2.4 | 4.8 | 96 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
 PARCEL 5054 BUILDING 2
 1903 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 3/13/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 7:51 | 50.0 | 1.8 | 3.1 | 6.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 7:51 | 50.0 | 1.8 | 5.1 | 8.8 | >100 | | |
| Office ambient air, without filter | 3/22/2012 | 12:15 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:42 | 1.1 | 19.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:40 | 1.1 | 19.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:38 | 43.8 | 1.3 | 4.5 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:50 | 43.8 | 1.2 | 5.7 | 10.4 | >100 | | |
| Office ambient air, without filter | 3/27/2012 | 10:40 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:52 | 2.2 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 2.2 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:43 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:59 | 29.7 | 2.7 | 4.2 | 9.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:01 | 29.7 | 1.7 | 6.2 | 12.0 | >100 | | |
| Office ambient air, without filter | 4/3/2012 | 12:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:06 | 4.4 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:08 | 4.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:59 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 45.1 | 1.2 | 2.9 | 11.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:16 | 45.1 | 1.0 | 5.7 | 13.3 | >100 | | |
| Office ambient air, without filter | 4/10/2012 | 11:30 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 3.9 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:48 | 3.9 | 20.6 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:40 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:58 | 74.8 | 1.2 | 3.5 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:01 | 74.8 | 1.5 | 5.4 | 15.1 | >100 | | |
| Office ambient air, without filter | 4/17/2012 | 10:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:09 | 3.0 | 20.7 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 3.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:35 | 34.6 | 1.0 | 4.2 | 11.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:42 | 34.6 | 0.6 | 5.5 | 14.3 | >100 | | |
| Office ambient air, without filter | 4/26/2012 | 12:20 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:36 | 4.1 | 20.0 | 1.6 | 0.3 ^[4] | 10 ^[4] | | |
| Sub-slab probe B (office) without filter | | 12:38 | 4.1 | 20.5 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | | 11:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:14 | 20.5 | 0.7 | 3.7 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:17 | 20.5 | 15.9 | 1.5 | 3.2 ^[4] | 94 ^[4] | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
 PARCEL 5054 BUILDING 2
 1903 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, without filter | 5/3/2012 | 9:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:08 | 1.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 1.6 | 20.2 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:14 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:24 | 24.4 | 19.1 | 0.2 | 1.3 | 28 | | |
| Sub-slab probe A (warehouse) without filter | | 11:25 | 24.4 | 17.1 | 1.1 | 2.2 | 57 | | |
| Office ambient air, without filter | 5/10/2012 | 14:27 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:36 | 1.5 | 21.0 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:38 | 1.5 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:34 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 34.9 | 1.7 | 2.9 | 14 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 34.9 | 0.7 | 5.8 | 16.7 | >100 | | |
| Office ambient air, without filter | 5/15/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:15 | 1.8 | 18.5 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:15 | 1.8 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:51 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:59 | 22.2 | 1.3 | 0.8 | 13.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:59 | 22.2 | 2.0 | 5.0 | 14.5 | >100 | | |
| Office ambient air, without filter | 5/24/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:35 | 2.2 | 20.3 | 0.2 | 0.2 | 4 | | |
| Sub-slab probe B (office) without filter | | 14:41 | 2.2 | 20.3 | 0.3 | 0.3 | 4 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:15 | 19.7 | 1.2 | 4.3 | 14.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:22 | 19.7 | 0.6 | 3.6 | 18.6 | >100 | | |
| Office ambient air, without filter | 5/31/2012 | 9:40 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:53 | 2.8 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:06 | 2.8 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:13 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:26 | 46.4 | 1.1 | 5.1 | 15.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:50 | 46.4 | 1.5 | 6.5 | 17.9 | >100 | | |
| Office ambient air, without filter | 6/7/2012 | 9:22 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:30 | 4.6 | 20.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:41 | 4.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:49 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:57 | 82.3 | 0.4 | 5.7 | 16.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:04 | 82.3 | 1.2 | 6.3 | 19.8 | >100 | | |
| Office ambient air, without filter | 6/14/2012 | 9:55 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:04 | 11.5 | 19.9 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:12 | 11.5 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:19 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:32 | 35.3 | 8.2 | 3.5 | 11.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:40 | 35.3 | 0.9 | 6.4 | 20.3 | >100 | | |

TABLE 1
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PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| Office ambient air, without filter | 6/19/2012 | 9:48 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:05 | 3.7 | 19.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:07 | 3.7 | 19.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:37 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:08 | 38.1 | 1.4 | 5.7 | 16.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:09 | 38.1 | 1.0 | 6.5 | 22.3 | >100 | | |
| Office ambient air, without filter | 6/28/2012 | 9:13 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:29 | 0.8 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:29 | 0.8 | 19.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:35 | 0.0 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:49 | 59.1 | 17.8 | 0.4 | 3 | 66 | | |
| Sub-slab probe A (warehouse) without filter | | 9:49 | 59.1 | 12.4 | 2.9 | 9 | >100 | | |
| Office ambient air, without filter | 7/3/2012 | 10:35 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:53 | 2.7 | 18.2 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:55 | 2.7 | 18.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:44 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:00 | 54.1 | 1.2 | 6.6 | 20.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:02 | 54.1 | 1.1 | 4.1 | 17 | >100 | | |
| Office ambient air, without filter | 7/11/2012 | 14:02 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 10.2 | 18.0 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 10.2 | 18.1 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:25 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:33 | 60.3 | 1.4 | 7.1 | 19.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:33 | 60.3 | 1.3 | 4.0 | 15.2 | >100 | | |
| Office ambient air, without filter | 7/19/2012 | 14:20 | 0.0 | 20.7 | 0.0 | 0.1 ^[4] | 1 ^[4] | | |
| Sub-slab probe B (office) with filter | | 14:27 | 25.5 | 18.9 | 2.7 | 0.8 ^[4] | 7 ^[4] | | |
| Sub-slab probe B (office) without filter | | 14:27 | 25.5 | 19.0 | 0.8 | 0.0 | 1 | | |
| Warehouse ambient air, without filter | | 14:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:13 | 24.2 | 1.3 | 7.4 | 17.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:13 | 24.2 | 1.3 | 7.1 | 22.7 | >100 | | |
| Office ambient air, without filter | 7/26/2012 | 9:08 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 0.3 | 18.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:20 | 0.3 | 18.5 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:25 | 0.0 | 20.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:33 | 1.1 | 3.3 | 4.9 | 15.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:33 | 1.1 | 0.6 | 7.1 | 24.7 | >100 | | |
| Office ambient air, with filter | 8/2/2012 | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | 90s | none |
| Office ambient air, without filter | | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 8:59 | 63.2 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 8:59 | 63.2 | 19.4 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:14 | 115.9 | 6.6 | 0.8 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:14 | 115.9 | 6.2 | 5.2 | 15.7 | >100 | | |
| Office ambient air, with filter | 8/7/2012 | 10:29 | -- | -- | -- | -- | 0 | Low 90s | none |
| Office ambient air, without filter | | 10:29 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:32 | -- | -- | -- | -- | 0 | | |
| Sub-slab probe B (office) without filter | | 10:32 | 7.4 | 18.6 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 10:40 | -- | -- | -- | -- | 0 | | |
| Warehouse ambient air, without filter | | 10:40 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:45 | -- | -- | -- | -- | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:45 | 53.7 | 5.2 | 5.2 | 24.6 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|---|
| Office ambient air, with filter | 8/16/2012 | 12:53 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| Office ambient air, without filter | | 12:53 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:02 | 7.7 | 19.3 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:02 | 7.7 | 19.2 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:57 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:57 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 42.5 | 0.3 | 5.9 | 18.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:15 | 42.5 | 1.6 | 5.9 | 22.6 | >100 | | |
| Office ambient air, with filter | 8/21/2012 | 15:00 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | 80s | none |
| Office ambient air, without filter | | 15:00 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:16 | 4.3 | 19.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:16 | 4.3 | 20.3 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:40 | 46.7 | 15.4 | 0.6 | 18.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:40 | 46.7 | 14.7 | 1.7 | 23.9 | >100 | | |
| Office ambient air, without filter | 8/30/2012 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 80s | none |
| Sub-slab probe B (office) with filter | | 15:19 | 0.0 | 19.3 | 1.3 | 0.2 ^[4] | 3 ^[4] | | |
| Sub-slab probe B (office) without filter | | 15:19 | 0.0 | 19.3 | 1.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:50 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 62.7 | 0.7 | 6.4 | 16.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 62.7 | 0.4 | 6.0 | 25.1 | >100 | | |
| Office ambient air, with filter | 9/6/2012 | | 0.0 | 19.8 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 |
| Office ambient air, without filter | | | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:24 | 6.2 | 18.4 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:24 | 6.2 | 18.8 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 108.4 | 0.9 | 3.7 | 17.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 108.4 | 0.4 | 5.8 | 24.6 | >100 | | |
| Office ambient air, with filter | 9/13/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 2.3 | 19.5 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:47 | 2.3 | 19.2 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:55 | 35.2 | 0.6 | 4.6 | 19.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:55 | 35.2 | 0.7 | 5.6 | 22.9 | >100 | | |
| Office ambient air, with filter | 9/20/2012 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:57 | 1.1 | 19.9 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:57 | 1.1 | 19.7 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:05 | 0.0 | 21.2 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:13 | 48.4 | 1.1 | 4.8 | 16.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:13 | 48.4 | 1.0 | 5.1 | 21.9 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 9/27/2012 | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | 60s - 70s | none |
| Office ambient air, without filter | | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 3.1 | 19.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 3.1 | 20.0 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:05 | 81.1 | 1.3 | 3.3 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:05 | 81.1 | 15.0 | 1.3 | 16.2 | >100 | | |
| Office ambient air, with filter | 10/2/2012 | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | mid 60s | light rain |
| Office ambient air, without filter | | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:45 | 1.5 | 20.2 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:45 | 1.5 | 20.1 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:00 | 91.4 | 0.5 | 5.6 | 15.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:00 | 91.4 | 0.2 | 4.9 | 21.3 | >100 | | |
| Office ambient air, with filter | 10/18/2012 | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | mid 70s | none |
| Office ambient air, without filter | | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 3.1 | 21.0 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 3.1 | 21.1 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:51 | 59.6 | 0.7 | 3.6 | 15.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:51 | 59.6 | 1.6 | 4.2 | 18.0 | >100 | | |
| Office ambient air, with filter | 10/25/2012 | 13:54 | 0.0 | 20.0 | 0.1 | 0.0 | 0 | 70s | none |
| Office ambient air, without filter | | 13:54 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 19.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 48.8 | 0.2 | 4.0 | 14.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 48.8 | 0.2 | 4.2 | 17.9 | >100 | | |
| Office ambient air, with filter | 10/30/2012 | 14:15 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| Office ambient air, without filter | | 14:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.3 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.3 | 20.4 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:24 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:24 | 0.0 | 27.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:15 | 15.5 | 0.6 | 2.4 | 14.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:15 | 15.5 | 0.4 | 4.0 | 17.7 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 11/8/2012 | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:32 | 2.0 | 20.1 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:32 | 2.0 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:44 | 1.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:44 | 1.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:44 | 83.6 | 0.3 | 2.9 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:44 | 83.6 | 0.5 | 3.6 | 16.0 | >100 | | |
| Office ambient air, with filter | 11/15/2012 | 14:24 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:24 | 0.0 | 22.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.7 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 21.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:53 | 21.9 | 0.3 | 3.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:53 | 21.9 | 0.2 | 3.5 | 16.4 | >100 | | |
| Office ambient air, with filter | 11/20/2012 | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 50s | Trace |
| Office ambient air, without filter | | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:48 | 0.0 | 20.3 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:48 | 0.0 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 79.6 | 0.1 | 3.4 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 79.6 | 0.1 | 3.5 | 17.5 | >100 | | |
| Office ambient air, with filter | 11/29/2012 | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| Office ambient air, without filter | | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:13 | 0.9 | 20.3 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:13 | 0.9 | 20.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 32.5 | 0.4 | 3.2 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 32.5 | 0.3 | 3.2 | 16.1 | >100 | | |
| Office ambient air, with filter | 12/4/2012 | 14:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 20.1 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:47 | 33.1 | 0.9 | 3.5 | 12.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:47 | 33.1 | 0.8 | 3.5 | 14.8 | >100 | | |
| Office ambient air, with filter | 12/13/2012 | 14:41 | 0.0 | 21.2 | 0.0 | 0.1 U | 2 U | 40s | None |
| Office ambient air, without filter | | 14:41 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:27 | 1.1 | 20.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:27 | 1.1 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:38 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:38 | 0.0 | 21.1 | 0.1 | 0.1 U | 2 U | | |
| Sub-slab probe A (warehouse) with filter | | 15:42 | 35.9 | 0.8 | 2.4 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:42 | 35.9 | 0.5 | 3.2 | 15.2 | >100 | | |

TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|------------|---|--------------|--------------------|---------------------|------------------------------------|---------|--------------------------------|---------------------------------------|
| Office ambient air, with filter | 12/18/2012 | 12:49 | 0.0 | 21.9 | 0.0 | 0.0 | 1 U | 40s | None |
| Office ambient air, without filter | | 12:59 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.2 | 20.3 | 2.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.2 | 20.2 | 3.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 21.8 | 0.0 | 0.1 U | 2 U | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:02 | 30.4 | 0.3 | 2.9 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:02 | 30.4 | 0.6 | 3.5 | 15.4 | >100 | | |
| 1903 Dryden Road, Valley Asphalt, Parcel 5054 Building 2 (Quonset Hut) | 12/27/2012 | Property closed from December 21, 2012 to January 6, 2013 | | | | | | | |
| Office ambient air, with filter | 1/10/2013 | 12:21 | 0.0 | 20.2 | 0.2 | 0.0 | 0 | 30s | Trace |
| Office ambient air, without filter | | 12:21 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:37 | 0.4 | 20.2 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:37 | 0.4 | 20.3 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 20.4 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:50 | 8.2 | 0.9 | 2.1 | 10.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:50 | 8.2 | 1.2 | 3.2 | 11.5 | >100 | | |
| Office ambient air, with filter | 1/17/2013 | 12:35 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | none |
| Office ambient air, without filter | | 12:35 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.4 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:28 | 20.4 | 0.3 | 3.2 | 11.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:28 | 20.4 | 0.4 | 3.2 | 12.5 | >100 | | |
| Office ambient air, with filter | 1/24/2013 | 14:11 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 10s - 20s | none |
| Office ambient air, without filter | | 14:11 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:50 | 0.0 | 21.1 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:50 | 0.0 | 21.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 16:13 | 7.8 | 1.2 | 2.5 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 16:13 | 7.8 | 0.6 | 3.5 | 10.7 | >100 | | |
| Office ambient air, with filter | 1/31/2013 | 14:35 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | 10s - 20s | none |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:29 | 0.0 | 20.4 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:29 | 0.0 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:52 | 7.9 | 0.8 | 3.5 | 9.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:52 | 7.9 | 0.5 | 3.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 2/7/2013 | 14:25 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 20s - 50s | none |
| Office ambient air, without filter | | 14:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:04 | 1.1 | 21.2 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:04 | 1.1 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:30 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:30 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:25 | 23.0 | 1.0 | 3.0 | 8.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:25 | 23.0 | 0.7 | 3.1 | 9.6 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 2/12/2013 | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 14.8 | 0.5 | 3.4 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 14.8 | 1.1 | 3.4 | 9.3 | >100 | | |
| Office ambient air, with filter | 2/21/2013 | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 20s | trace |
| Office ambient air, without filter | | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | | 0.3 | 20.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | | 0.3 | 20.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | | 10.2 | 0.5 | 3.2 | 7.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | | 10.2 | 0.6 | 3.4 | 8.1 | >100 | | |
| Office ambient air, with filter | 2/28/2013 | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | ~1 inch |
| Office ambient air, without filter | | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:25 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:25 | 0.0 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:43 | 6.3 | 0.2 | 3.5 | 8.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:43 | 6.3 | 0.4 | 3.5 | 9.6 | >100 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

^[3] - Value was rejected (R) due to suspected transcription error or meter malfunction.

^[4] - Anomalous Value. Suspected instrument carry-over or transcription error.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).


 - Unfiltered value is lower than filtered value, indicating either a transcription error, or issue with sampling or data quality.

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID Time (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|---------------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0 | ND(1) ¹ | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1 | 3.3 | 0.8 | 18 | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21 | 0.1 | 0 | 0 | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3 | 0 | 0 | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0 | 0 | 0 | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0 | 0 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3 | 5.1 | 1.1 | 24 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3 | 0.5 | 0.8 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|------------------------------|------------------------------------|--|
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 | 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | -- | 0 | low 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0.0 | 0 | 80 - low 90s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | 39 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | 57 | | | |
| | | | | | | | | | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|--|------|
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | |
| 5173 / 1 / C / Storage area without filter | | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | 41 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | 52 | | | |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | | 60s - 70s | none |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | mid 60s | light rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | 40 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | 56 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | mid 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | | |
| | | | | | | | | | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID Time</i> | <i>O₂ (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|---------------------|--------------------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 70s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | 31 | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | 41 | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | 34 | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | 43 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | 27 | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | 33 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | 27 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 50s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | 9 | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | 16 | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel/ Building/ Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|------------------------------|------------------------------------|--|--|
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | | | |
| 5173 / 1 / C / Storage area without filter | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|-----------|-------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 10s - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 30s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|------------------------------|------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 0 | 20s - 50s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | 19 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | 13 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 0 | 20s | trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | | 0.9 | 16.0 | 3.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | | 0.9 | 16.0 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s - 40s | ~1 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | | |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

TABLE 3

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | |
| GP-2 (16') without filter | | -- | | 2.0 | 11.6 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | | 4.6 | 10.0 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | |

TABLE 3

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).



**CONESTOGA-ROVERS
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April 8, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: March 1 through 31, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAO) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. SS 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852 effective August 15, 2006 for the period of March 1 through 31, 2013.

The next Progress Report for the month of April 2013 will be submitted on or before May 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

On March 5, 2013, the Respondents provided USEPA, Ohio EPA, and CH2M Hill with a draft OU1 Data Gap and Groundwater Investigation rationale document and figures.

On March 7, 14, and 28, 2013, USEPA, Ohio EPA, Dynamac, and the Respondents participated in conference calls regarding updates to the status of vapor intrusion (VI) mitigation. The Respondents provided meeting minutes for each conference call.

On March 15, 2013, CRA completed visits to eight buildings proposed for VI mitigation. CRA was accompanied by prospective Ohio licensed radon contractors: Environmental Doctor, and The Geiler Company. The purpose of the building visits was to gather information that would



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& ASSOCIATES**

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aid in the design of sub-slab depressurization systems and help the Respondents finalize the contractor selection.

On March 26, and 27, 2013, the Respondents provided Request for Bid (RFB) packages by electronic mail (email) messages to Environmental Doctor and The Geiler Company, respectively. On March 28, 2013, the Respondents provided Addendum 1 to the RFB to both companies.

On March 28, 2013, the Respondents explained the basis for the permit fee amount submitted for a five year permit for access to the southern portion of the Site, including motor vehicle access, to the Miami Conservancy District (MCD) property, in an email to an MCD representative, Roxanne Farrier.

On March 28, 2013, the Respondents provided USEPA with a revised draft VI Mitigation Work Plan for review.

In March 2013, in order to monitor elevated lower explosive limit (LEL) readings, the Respondents collected weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from Valley Asphalt Parcel 5054 Building 2 at 1903 Dryden Road, and SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in Tables 1 and 2, respectively. Table 3 presents field screening values measured by the Respondents in USEPA soil gas probe GP-2.

SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to complete the OU1 investigation and address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents submitted the draft OU1 Groundwater and Data Gap Investigation Work Plan to USEPA on April 1, 2013. The Respondents and USEPA will discuss the draft OU1 Groundwater and Data Gap Investigation Work Plan in April 2013 and the Respondents will make revisions as necessary.



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- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and draft a mitigation work plan.

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley, P.E.

VC/cb/3

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Laura Marshall, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
 PARCEL 5054 BUILDING 2
 1903 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 1/10/2012 | -- | 0.2 | 21.4 | 0.1 | 0.0 | NM | | |
| Sub-slab probe B (office) without filter | | -- | 1.2 | 21.2 | 0.1 | 0.0 | NM | | |
| Warehouse ambient air, without filter | | -- | 0.5 | 22.8 | 0.1 | 0.0 | NM | | |
| Sub-slab probe A (warehouse) without filter | | -- | 50.1 | 4.6 | 3.9 | 7.6 | NM | | |
| Warehouse ambient air, without filter | 1/19/2012 | 10:40 | 0.1 | 24.1 | 0.0 | 0.0 | ND(1) ^[1] | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 72.4 | 5.7 | 3.1 | 5.2 | >100 | | |
| Sub-slab probe B (office) without filter | | 11:22 | 6.2 | 23.2 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | 1/24/2012 | 11:05 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:14 | 52.7 | 5.7 | 3.1 | 5.1 | >100 | | |
| Office ambient air, without filter | | 10:50 | 0.0 | 23.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office), without filter | | 10:57 | 2.5 | 21.7 | 0.1 | 0.0 | 0 | | |
| Office ambient air, without filter | 1/31/2012 | 10:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:12 | 5.8 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:30 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:17 | 72.4 | 1.9 | 3.8 | 6.9 | >100 | | |
| Office ambient air, without filter | 2/7/2012 | 10:14 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 5.9 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:24 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 67.2 | 6.3 | 3.0 | 6.5 | >100 | | |
| Office ambient air, without filter | 2/15/2012 | 11:00 | 0.1 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:02 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:52 | 52.2 | 9.8 | 0.6 | 3.7 | 73 | | |
| Sub-slab probe A (warehouse) without filter | | 13:49 | 52.2 | 4.8 | 3.2 | 6.5 | R ^[3] | | |
| Office ambient air, without filter | 2/23/2012 | 14:00 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 2.3 | 20.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 2.3 | 20.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 19.5 | 5.5 | 0.6 | 5.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 19.5 | 1.6 | 4.2 | 8.2 | >100 | | |
| Office ambient air, without filter | 3/1/2012 | 12:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:43 | 5.2 | 22.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:44 | 5.2 | 22.0 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:21 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:55 | 71.9 | 6.0 | 1.2 | 5.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:58 | 71.9 | 15.9 | 1.7 | 5.6 | 90 ^[4] | | |
| Office ambient air, without filter | 3/8/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 1.4 | 20.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:45 | 20.2 | 1.3 | 2.4 | 4.8 | 96 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
 PARCEL 5054 BUILDING 2
 1903 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 3/13/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 7:51 | 50.0 | 1.8 | 3.1 | 6.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 7:51 | 50.0 | 1.8 | 5.1 | 8.8 | >100 | | |
| Office ambient air, without filter | 3/22/2012 | 12:15 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:42 | 1.1 | 19.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:40 | 1.1 | 19.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:38 | 43.8 | 1.3 | 4.5 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:50 | 43.8 | 1.2 | 5.7 | 10.4 | >100 | | |
| Office ambient air, without filter | 3/27/2012 | 10:40 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:52 | 2.2 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 2.2 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:43 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:59 | 29.7 | 2.7 | 4.2 | 9.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:01 | 29.7 | 1.7 | 6.2 | 12.0 | >100 | | |
| Office ambient air, without filter | 4/3/2012 | 12:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:06 | 4.4 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:08 | 4.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:59 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 45.1 | 1.2 | 2.9 | 11.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:16 | 45.1 | 1.0 | 5.7 | 13.3 | >100 | | |
| Office ambient air, without filter | 4/10/2012 | 11:30 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 3.9 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:48 | 3.9 | 20.6 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:40 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:58 | 74.8 | 1.2 | 3.5 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:01 | 74.8 | 1.5 | 5.4 | 15.1 | >100 | | |
| Office ambient air, without filter | 4/17/2012 | 10:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:09 | 3.0 | 20.7 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 3.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:35 | 34.6 | 1.0 | 4.2 | 11.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:42 | 34.6 | 0.6 | 5.5 | 14.3 | >100 | | |
| Office ambient air, without filter | 4/26/2012 | 12:20 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:36 | 4.1 | 20.0 | 1.6 | 0.3 ^[4] | 10 ^[4] | | |
| Sub-slab probe B (office) without filter | | 12:38 | 4.1 | 20.5 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | | 11:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:14 | 20.5 | 0.7 | 3.7 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:17 | 20.5 | 15.9 | 1.5 | 3.2 ^[4] | 94 ^[4] | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
 PARCEL 5054 BUILDING 2
 1903 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, without filter | 5/3/2012 | 9:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:08 | 1.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 1.6 | 20.2 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:14 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:24 | 24.4 | 19.1 | 0.2 | 1.3 | 28 | | |
| Sub-slab probe A (warehouse) without filter | | 11:25 | 24.4 | 17.1 | 1.1 | 2.2 | 57 | | |
| Office ambient air, without filter | 5/10/2012 | 14:27 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:36 | 1.5 | 21.0 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:38 | 1.5 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:34 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 34.9 | 1.7 | 2.9 | 14 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 34.9 | 0.7 | 5.8 | 16.7 | >100 | | |
| Office ambient air, without filter | 5/15/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:15 | 1.8 | 18.5 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:15 | 1.8 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:51 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:59 | 22.2 | 1.3 | 0.8 | 13.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:59 | 22.2 | 2.0 | 5.0 | 14.5 | >100 | | |
| Office ambient air, without filter | 5/24/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:35 | 2.2 | 20.3 | 0.2 | 0.2 | 4 | | |
| Sub-slab probe B (office) without filter | | 14:41 | 2.2 | 20.3 | 0.3 | 0.3 | 4 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:15 | 19.7 | 1.2 | 4.3 | 14.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:22 | 19.7 | 0.6 | 3.6 | 18.6 | >100 | | |
| Office ambient air, without filter | 5/31/2012 | 9:40 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:53 | 2.8 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:06 | 2.8 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:13 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:26 | 46.4 | 1.1 | 5.1 | 15.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:50 | 46.4 | 1.5 | 6.5 | 17.9 | >100 | | |
| Office ambient air, without filter | 6/7/2012 | 9:22 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:30 | 4.6 | 20.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:41 | 4.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:49 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:57 | 82.3 | 0.4 | 5.7 | 16.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:04 | 82.3 | 1.2 | 6.3 | 19.8 | >100 | | |
| Office ambient air, without filter | 6/14/2012 | 9:55 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:04 | 11.5 | 19.9 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:12 | 11.5 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:19 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:32 | 35.3 | 8.2 | 3.5 | 11.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:40 | 35.3 | 0.9 | 6.4 | 20.3 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| Office ambient air, without filter | 6/19/2012 | 9:48 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:05 | 3.7 | 19.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:07 | 3.7 | 19.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:37 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:08 | 38.1 | 1.4 | 5.7 | 16.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:09 | 38.1 | 1.0 | 6.5 | 22.3 | >100 | | |
| Office ambient air, without filter | 6/28/2012 | 9:13 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:29 | 0.8 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:29 | 0.8 | 19.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:35 | 0.0 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:49 | 59.1 | 17.8 | 0.4 | 3 | 66 | | |
| Sub-slab probe A (warehouse) without filter | | 9:49 | 59.1 | 12.4 | 2.9 | 9 | >100 | | |
| Office ambient air, without filter | 7/3/2012 | 10:35 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:53 | 2.7 | 18.2 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:55 | 2.7 | 18.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:44 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:00 | 54.1 | 1.2 | 6.6 | 20.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:02 | 54.1 | 1.1 | 4.1 | 17 | >100 | | |
| Office ambient air, without filter | 7/11/2012 | 14:02 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 10.2 | 18.0 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 10.2 | 18.1 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:25 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:33 | 60.3 | 1.4 | 7.1 | 19.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:33 | 60.3 | 1.3 | 4.0 | 15.2 | >100 | | |
| Office ambient air, without filter | 7/19/2012 | 14:20 | 0.0 | 20.7 | 0.0 | 0.1 ^[4] | 1 ^[4] | | |
| Sub-slab probe B (office) with filter | | 14:27 | 25.5 | 18.9 | 2.7 | 0.8 ^[4] | 7 ^[4] | | |
| Sub-slab probe B (office) without filter | | 14:27 | 25.5 | 19.0 | 0.8 | 0.0 | 1 | | |
| Warehouse ambient air, without filter | | 14:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:13 | 24.2 | 1.3 | 7.4 | 17.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:13 | 24.2 | 1.3 | 7.1 | 22.7 | >100 | | |
| Office ambient air, without filter | 7/26/2012 | 9:08 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 0.3 | 18.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:20 | 0.3 | 18.5 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:25 | 0.0 | 20.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:33 | 1.1 | 3.3 | 4.9 | 15.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:33 | 1.1 | 0.6 | 7.1 | 24.7 | >100 | | |
| Office ambient air, with filter | 8/2/2012 | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | 90s | none |
| Office ambient air, without filter | | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 8:59 | 63.2 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 8:59 | 63.2 | 19.4 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:14 | 115.9 | 6.6 | 0.8 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:14 | 115.9 | 6.2 | 5.2 | 15.7 | >100 | | |
| Office ambient air, with filter | 8/7/2012 | 10:29 | -- | -- | -- | -- | 0 | Low 90s | none |
| Office ambient air, without filter | | 10:29 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:32 | -- | -- | -- | -- | 0 | | |
| Sub-slab probe B (office) without filter | | 10:32 | 7.4 | 18.6 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 10:40 | -- | -- | -- | -- | 0 | | |
| Warehouse ambient air, without filter | | 10:40 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:45 | -- | -- | -- | -- | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:45 | 53.7 | 5.2 | 5.2 | 24.6 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|---|
| Office ambient air, with filter | 8/16/2012 | 12:53 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| Office ambient air, without filter | | 12:53 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:02 | 7.7 | 19.3 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:02 | 7.7 | 19.2 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:57 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:57 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 42.5 | 0.3 | 5.9 | 18.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:15 | 42.5 | 1.6 | 5.9 | 22.6 | >100 | | |
| Office ambient air, with filter | 8/21/2012 | 15:00 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | 80s | none |
| Office ambient air, without filter | | 15:00 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:16 | 4.3 | 19.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:16 | 4.3 | 20.3 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:40 | 46.7 | 15.4 | 0.6 | 18.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:40 | 46.7 | 14.7 | 1.7 | 23.9 | >100 | | |
| Office ambient air, without filter | 8/30/2012 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 80s | none |
| Sub-slab probe B (office) with filter | | 15:19 | 0.0 | 19.3 | 1.3 | 0.2 ^[4] | 3 ^[4] | | |
| Sub-slab probe B (office) without filter | | 15:19 | 0.0 | 19.3 | 1.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:50 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 62.7 | 0.7 | 6.4 | 16.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 62.7 | 0.4 | 6.0 | 25.1 | >100 | | |
| Office ambient air, with filter | 9/6/2012 | | 0.0 | 19.8 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 |
| Office ambient air, without filter | | | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:24 | 6.2 | 18.4 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:24 | 6.2 | 18.8 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 108.4 | 0.9 | 3.7 | 17.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 108.4 | 0.4 | 5.8 | 24.6 | >100 | | |
| Office ambient air, with filter | 9/13/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 2.3 | 19.5 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:47 | 2.3 | 19.2 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:55 | 35.2 | 0.6 | 4.6 | 19.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:55 | 35.2 | 0.7 | 5.6 | 22.9 | >100 | | |
| Office ambient air, with filter | 9/20/2012 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:57 | 1.1 | 19.9 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:57 | 1.1 | 19.7 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:05 | 0.0 | 21.2 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:13 | 48.4 | 1.1 | 4.8 | 16.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:13 | 48.4 | 1.0 | 5.1 | 21.9 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
 PARCEL 5054 BUILDING 2
 1903 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 9/27/2012 | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | 60s - 70s | none |
| Office ambient air, without filter | | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 3.1 | 19.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 3.1 | 20.0 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:05 | 81.1 | 1.3 | 3.3 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:05 | 81.1 | 15.0 | 1.3 | 16.2 | >100 | | |
| Office ambient air, with filter | 10/2/2012 | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | mid 60s | light rain |
| Office ambient air, without filter | | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:45 | 1.5 | 20.2 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:45 | 1.5 | 20.1 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:00 | 91.4 | 0.5 | 5.6 | 15.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:00 | 91.4 | 0.2 | 4.9 | 21.3 | >100 | | |
| Office ambient air, with filter | 10/18/2012 | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | mid 70s | none |
| Office ambient air, without filter | | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 3.1 | 21.0 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 3.1 | 21.1 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:51 | 59.6 | 0.7 | 3.6 | 15.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:51 | 59.6 | 1.6 | 4.2 | 18.0 | >100 | | |
| Office ambient air, with filter | 10/25/2012 | 13:54 | 0.0 | 20.0 | 0.1 | 0.0 | 0 | 70s | none |
| Office ambient air, without filter | | 13:54 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 19.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 48.8 | 0.2 | 4.0 | 14.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 48.8 | 0.2 | 4.2 | 17.9 | >100 | | |
| Office ambient air, with filter | 10/30/2012 | 14:15 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| Office ambient air, without filter | | 14:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.3 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.3 | 20.4 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:24 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:24 | 0.0 | 27.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:15 | 15.5 | 0.6 | 2.4 | 14.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:15 | 15.5 | 0.4 | 4.0 | 17.7 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 11/8/2012 | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:32 | 2.0 | 20.1 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:32 | 2.0 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:44 | 1.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:44 | 1.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:44 | 83.6 | 0.3 | 2.9 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:44 | 83.6 | 0.5 | 3.6 | 16.0 | >100 | | |
| Office ambient air, with filter | 11/15/2012 | 14:24 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:24 | 0.0 | 22.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.7 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 21.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:53 | 21.9 | 0.3 | 3.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:53 | 21.9 | 0.2 | 3.5 | 16.4 | >100 | | |
| Office ambient air, with filter | 11/20/2012 | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 50s | Trace |
| Office ambient air, without filter | | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:48 | 0.0 | 20.3 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:48 | 0.0 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 79.6 | 0.1 | 3.4 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 79.6 | 0.1 | 3.5 | 17.5 | >100 | | |
| Office ambient air, with filter | 11/29/2012 | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| Office ambient air, without filter | | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:13 | 0.9 | 20.3 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:13 | 0.9 | 20.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 32.5 | 0.4 | 3.2 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 32.5 | 0.3 | 3.2 | 16.1 | >100 | | |
| Office ambient air, with filter | 12/4/2012 | 14:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 20.1 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:47 | 33.1 | 0.9 | 3.5 | 12.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:47 | 33.1 | 0.8 | 3.5 | 14.8 | >100 | | |
| Office ambient air, with filter | 12/13/2012 | 14:41 | 0.0 | 21.2 | 0.0 | 0.1 U | 2 U | 40s | None |
| Office ambient air, without filter | | 14:41 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:27 | 1.1 | 20.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:27 | 1.1 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:38 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:38 | 0.0 | 21.1 | 0.1 | 0.1 U | 2 U | | |
| Sub-slab probe A (warehouse) with filter | | 15:42 | 35.9 | 0.8 | 2.4 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:42 | 35.9 | 0.5 | 3.2 | 15.2 | >100 | | |

TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|------------|---|--------------|--------------------|---------------------|------------------------------------|---------|--------------------------------|---------------------------------------|
| Office ambient air, with filter | 12/18/2012 | 12:49 | 0.0 | 21.9 | 0.0 | 0.0 | 1 U | 40s | None |
| Office ambient air, without filter | | 12:59 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.2 | 20.3 | 2.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.2 | 20.2 | 3.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 21.8 | 0.0 | 0.1 U | 2 U | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:02 | 30.4 | 0.3 | 2.9 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:02 | 30.4 | 0.6 | 3.5 | 15.4 | >100 | | |
| 1903 Dryden Road, Valley Asphalt, Parcel 5054 Building 2 (Quonset Hut) | 12/27/2012 | Property closed from December 21, 2012 to January 6, 2013 | | | | | | | |
| Office ambient air, with filter | 1/10/2013 | 12:21 | 0.0 | 20.2 | 0.2 | 0.0 | 0 | 30s | Trace |
| Office ambient air, without filter | | 12:21 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:37 | 0.4 | 20.2 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:37 | 0.4 | 20.3 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 20.4 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:50 | 8.2 | 0.9 | 2.1 | 10.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:50 | 8.2 | 1.2 | 3.2 | 11.5 | >100 | | |
| Office ambient air, with filter | 1/17/2013 | 12:35 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | none |
| Office ambient air, without filter | | 12:35 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.4 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:28 | 20.4 | 0.3 | 3.2 | 11.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:28 | 20.4 | 0.4 | 3.2 | 12.5 | >100 | | |
| Office ambient air, with filter | 1/24/2013 | 14:11 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 10s - 20s | none |
| Office ambient air, without filter | | 14:11 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:50 | 0.0 | 21.1 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:50 | 0.0 | 21.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 16:13 | 7.8 | 1.2 | 2.5 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 16:13 | 7.8 | 0.6 | 3.5 | 10.7 | >100 | | |
| Office ambient air, with filter | 1/31/2013 | 14:35 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | 10s - 20s | none |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:29 | 0.0 | 20.4 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:29 | 0.0 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:52 | 7.9 | 0.8 | 3.5 | 9.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:52 | 7.9 | 0.5 | 3.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 2/7/2013 | 14:25 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 20s - 50s | none |
| Office ambient air, without filter | | 14:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:04 | 1.1 | 21.2 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:04 | 1.1 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:30 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:30 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:25 | 23.0 | 1.0 | 3.0 | 8.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:25 | 23.0 | 0.7 | 3.1 | 9.6 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
 PARCEL 5054 BUILDING 2
 1903 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 2/12/2013 | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 14.8 | 0.5 | 3.4 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 14.8 | 1.1 | 3.4 | 9.3 | >100 | | |
| Office ambient air, with filter | 2/21/2013 | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 20s | trace |
| Office ambient air, without filter | | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | | 0.3 | 20.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | | 0.3 | 20.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | | 10.2 | 0.5 | 3.2 | 7.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | | 10.2 | 0.6 | 3.4 | 8.1 | >100 | | |
| Office ambient air, with filter | 2/28/2013 | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | ~1 inch |
| Office ambient air, without filter | | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:25 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:25 | 0.0 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:43 | 6.3 | 0.2 | 3.5 | 8.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:43 | 6.3 | 0.4 | 3.5 | 9.6 | >100 | | |
| Office ambient air, with filter | 3/7/2013 | 13:10 | 0.0 | 22.8 | 0.1 | 0.0 | 0 | 30s | None |
| Office ambient air, without filter | | 13:10 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 0.1 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 0.1 | 20.7 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:25 | 33.7 | 3.1 | 3.5 | 6.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:25 | 33.7 | 0.6 | 3.6 | 8.9 | >100 | | |
| Office ambient air, with filter | 3/14/2013 | 14:04 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | 20s - 40s | None |
| Office ambient air, without filter | | 14:04 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 0.0 | 20.9 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:01 | 12.2 | 5.2 | 3.1 | 5.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:01 | 12.2 | 5.4 | 2.8 | 7.3 | >100 | | |
| Office ambient air, with filter | 3/21/2013 | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 20s - 30s | Trace |
| Office ambient air, without filter | | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:53 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:53 | 0.0 | 21.1 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:16 | 17.8 | 1.3 | 3.5 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:16 | 17.8 | 1.2 | 3.5 | 9.0 | >100 | | |

TABLE 1
VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 3/28/2013 | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30 - 40s | None |
| Office ambient air, without filter | | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:10 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:10 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:33 | 5.7 | 6.5 | 1.0 | 7.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:33 | 5.7 | 6.6 | 2.4 | 7.8 | >100 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

^[3] - Value was rejected (R) due to suspected transcription error or meter malfunction.

^[4] - Anomalous Value. Suspected instrument carry-over or transcription error.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).


 - Unfiltered value is lower than filtered value, indicating either a transcription error, or issue with sampling or data quality.

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0 | ND(1) ¹ | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1 | 3.3 | 0.8 | 18 | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21 | 0.1 | 0 | 0 | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3 | 0 | 0 | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0 | 0 | 0 | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0 | 0 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3 | 5.1 | 1.1 | 24 | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3 | 0.5 | 0.8 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0 | 0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|------------------------------|------------------------------------|--|
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 | 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | -- | 0 | low 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0.0 | 0 | 80 - low 90s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | 39 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | 57 | | | |
| | | | | | | | | | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|--|------|
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | |
| 5173 / 1 / C / Storage area without filter | | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | 41 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | 52 | | | |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | | 60s - 70s | none |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | mid 60s | light rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | 40 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | 56 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | mid 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID Time</i> | <i>O₂ (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|---------------------|--------------------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 70s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | 31 | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | 41 | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | 34 | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | 43 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | 27 | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | 33 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | 27 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 50s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | 9 | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | 16 | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel/ Building/ Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|------------------------------|------------------------------------|--|--|
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | | | |
| 5173 / 1 / C / Storage area without filter | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|-----------|-------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 10s - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 30s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel/ Building/ Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|------------------------------|------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 0 | 20s - 50s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | 19 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | 13 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 0 | 20s | trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | | |
| 5173 / 1 / C / Storage area without filter | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s - 40s | ~1 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|-----------|-------------|-------------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 20s - 40s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | 8 | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | 13 | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | 20s - 30s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | 17 | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 40s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | 16 | | |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

TABLE 3

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | |
| GP-2 (16') without filter | | -- | | 2.0 | 11.6 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | | 4.6 | 10.0 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | |

TABLE 3

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|--|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).



**CONESTOGA-ROVERS
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May 8, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: April 1 through 30, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAO) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAO), and ASAO for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAO), for the period of April 1 through 30, 2013.

The next Progress Report for the month of May 2013 will be submitted on or before June 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

On April 1, 2013, the Respondents provided USEPA and Ohio EPA with the OU1 Groundwater and Data Gap Investigation Work Plan by electronic mail (email) message. USEPA provided consolidated comments on the Work Plan on April 10, 2013. On April 30, 2013, the Respondents submitted a revised OU1 Groundwater and Data Gap Investigation – Phase 1A Work Plan, which incorporated the comments received from USEPA and Ohio EPA.



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On April 3, 2013, the Respondents provided USEPA START contractor, Dynamac Corporation (Dynamac), with draft files for Vapor Intrusion (VI) sample result letters by email. On April 4, 2013, USEPA START contractor issued the sample result letters for Buildings 25, 26, 27, 29, and 33 (Figure 1). On April 8 and 23, 2013, USEPA START contractor provided the Respondents with revised VI Mitigation Summary Database Excel files by email.

On April 4, 11, 18, and 25, 2013, USEPA, Ohio EPA, USEPA START contractor, and the Respondents participated in conference calls regarding the status of vapor intrusion (VI) mitigation activities.

On April 4, 2013, USEPA START contractor provided the Respondents with questions regarding the Sierra Gas Corporation Model 2001 methane monitors installed at 1903 Dryden Road (Valley Asphalt) and 2031 Dryden Road (SIM Trainer). On April 25, 2013, the Respondents provided responses.

On April 4 and 11, 2013, the Respondents issued Request for Bid (RFB) Addendum 2 and Addendum 3, respectively, to prospective Ohio licensed radon mitigation subcontractors (Environmental Doctor and The Geiler Company). On April 12, 2013, the Respondents received electronic bids from Environmental Doctor and The Geiler Company. On April 23, 2013, the Respondents issued clarification requests to both companies regarding items presented or contained in the bids. On April 23 and 24, 2013, Environmental Doctor and The Geiler Company, respectively, provided clarification.

On April 5, 2013, USEPA executed the Removal Action ASAO. Based on the dates of the Return Receipts, the effective date of the Removal Action ASAO was April 8, 2013. On April 12, 2013, the Respondents provided USEPA with letter notification providing consultant, project coordinator, and insurance information, in accordance with ASAO Paragraphs 12, 13, and 78, respectively. On April 29, 2013, in accordance with ASAO Paragraph 17a, the Respondents provided USEPA, Ohio EPA, and the USEPA START contractor with the Draft VI Mitigation Work Plan.

On April 11 and 25, 2013, USEPA, Ohio EPA, CH2M Hill, and the Respondents participated in conference calls regarding OU1 RI/FS work.

On April 15, 2013, the Respondents informed USEPA that coordination of VI mitigation work with Valley Asphalt was not possible, on the advice of the Respondents' legal counsel.

On April 16, 2013, USEPA contacted CRA requesting an estimate for the total capacity of the sub-slab depressurization systems (SSDs) proposed for eight Site buildings. On April 16, 2013,



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CRA provided USEPA with estimated minimum and maximum SSDS capacity. On April 18, 2013, CRA provided USEPA with revised estimates, based on the specifications proposed in bids submitted by Ohio licensed radon subcontractors.

On April 18, 2013, the Respondents contacted the property management company for the Site owners (Mark Fornes Realty Inc.) and legal counsel for the property owners (Tim Hoffman of Dinsmore & Shohl, LLP) to request meetings with property owner representatives and building tenants to discuss the SSDSs, request approval for installation, and schedule installation dates. On April 19, 2013, Mark Fornes Realty Inc. provided a response to the Respondents rejecting the request for meetings. On April 24, 2013, the Respondents provided additional information regarding the meeting objectives and goals and reissued the request. On April 24, 2013 Mark Fornes Realty Inc. again rejected the request, and indicated the Respondents should submit the installation plans and dates directly to Mark Fornes Realty Inc. On April 25, 2013, the Respondents provided email notification of the situation to USEPA.

On April 17, 2013, Mark Fornes Realty, Inc. contacted CRA requesting information regarding drilling activities underway at 2139 Dryden Road. Following consultation with Ohio EPA, CRA provided Mark Fornes Realty with Bureau of Underground Storage Tank Regulations (BUSTR) files related to 2139 Dryden Road and informed Mark Fornes Realty that the drilling was apparently being completed on behalf of the owners of the Site (Mark Fornes Realty's client) and that the Respondents were neither involved in nor previously aware of the activities.

On April 30, 2013, the Respondents provided USEPA, Ohio EPA, and CH2M Hill with the OU2 Remedial Investigation Scoping Document, by email.

In April 2013, in order to monitor elevated lower explosive limit (LEL) readings, the Respondents collected weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from Valley Asphalt Parcel 5054 Building 2 at 1903 Dryden Road, and SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in Tables 1 and 2, respectively. Table 3 presents field screening values measured by the Respondents in USEPA soil gas probe GP-2.



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SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As discussed with USEPA previously, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation activities have and will have on their business activities and have stated that they are reluctant to allow access. The Respondents will continue to work the USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to complete the OU1 investigation and address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents submitted the revised OU1 Groundwater and Data Gap Investigation – Phase 1A Work Plan to USEPA on April 30, 2013. The Respondents and USEPA will discuss the revised OU1 Groundwater and Data Gap Investigation Work Plan in May 2013 and the Respondents will make revisions as necessary.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.



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Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley, P.E.

VC/mg/5

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Laura Marshall, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

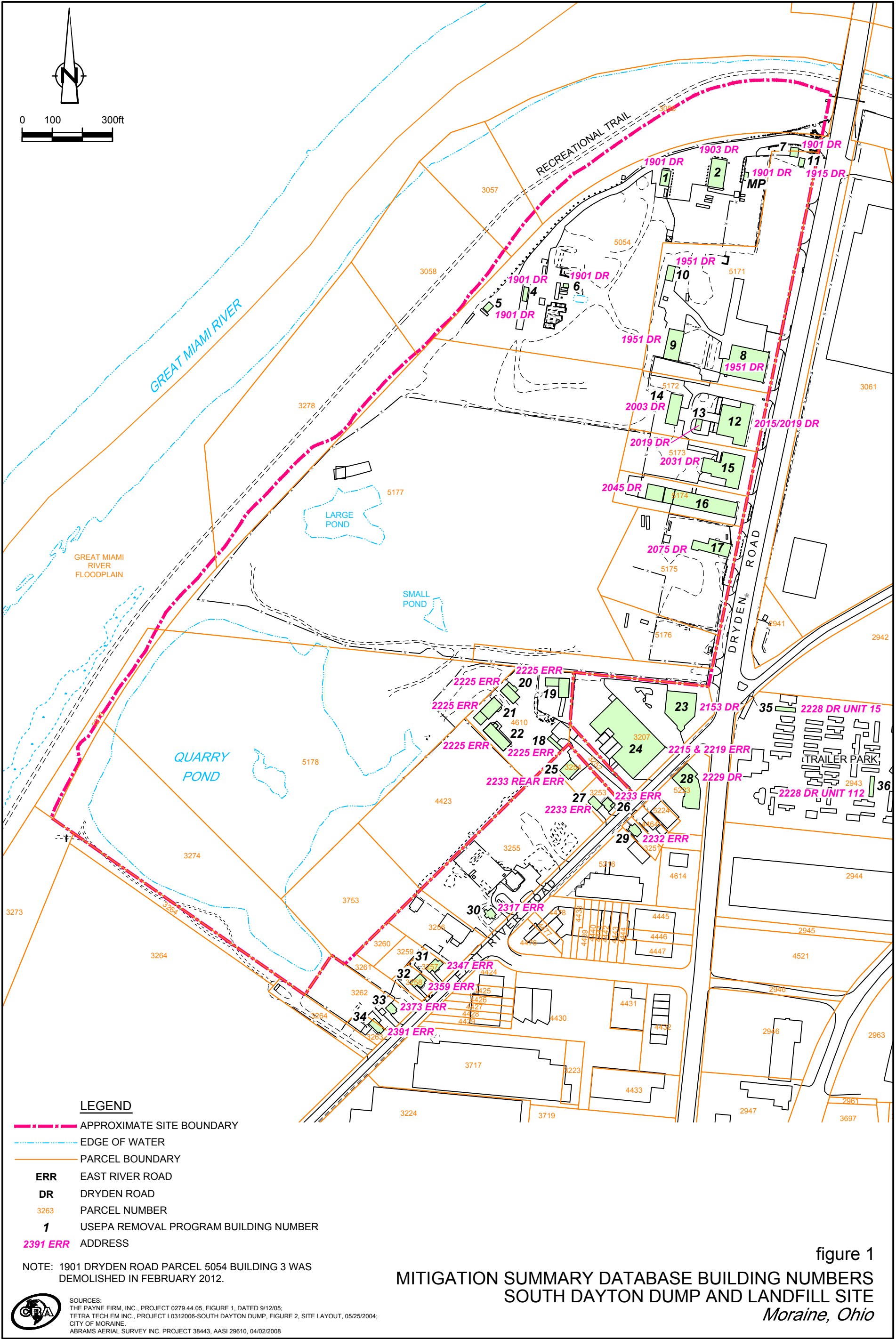


TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 1/10/2012 | -- | 0.2 | 21.4 | 0.1 | 0.0 | NM | | |
| Sub-slab probe B (office) without filter | | -- | 1.2 | 21.2 | 0.1 | 0.0 | NM | | |
| Warehouse ambient air, without filter | | -- | 0.5 | 22.8 | 0.1 | 0.0 | NM | | |
| Sub-slab probe A (warehouse) without filter | | -- | 50.1 | 4.6 | 3.9 | 7.6 | NM | | |
| Warehouse ambient air, without filter | 1/19/2012 | 10:40 | 0.1 | 24.1 | 0.0 | 0.0 | ND(1) ^[1] | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 72.4 | 5.7 | 3.1 | 5.2 | >100 | | |
| Sub-slab probe B (office) without filter | | 11:22 | 6.2 | 23.2 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | 1/24/2012 | 11:05 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:14 | 52.7 | 5.7 | 3.1 | 5.1 | >100 | | |
| Office ambient air, without filter | | 10:50 | 0.0 | 23.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office), without filter | | 10:57 | 2.5 | 21.7 | 0.1 | 0.0 | 0 | | |
| Office ambient air, without filter | 1/31/2012 | 10:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:12 | 5.8 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:30 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:17 | 72.4 | 1.9 | 3.8 | 6.9 | >100 | | |
| Office ambient air, without filter | 2/7/2012 | 10:14 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 5.9 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:24 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 67.2 | 6.3 | 3.0 | 6.5 | >100 | | |
| Office ambient air, without filter | 2/15/2012 | 11:00 | 0.1 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:02 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:52 | 52.2 | 9.8 | 0.6 | 3.7 | 73 | | |
| Sub-slab probe A (warehouse) without filter | | 13:49 | 52.2 | 4.8 | 3.2 | 6.5 | R ^[3] | | |
| Office ambient air, without filter | 2/23/2012 | 14:00 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 2.3 | 20.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 2.3 | 20.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 19.5 | 5.5 | 0.6 | 5.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 19.5 | 1.6 | 4.2 | 8.2 | >100 | | |
| Office ambient air, without filter | 3/1/2012 | 12:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:43 | 5.2 | 22.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:44 | 5.2 | 22.0 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:21 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:55 | 71.9 | 6.0 | 1.2 | 5.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:58 | 71.9 | 15.9 | 1.7 | 5.6 | 90 ^[4] | | |
| Office ambient air, without filter | 3/8/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 1.4 | 20.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:45 | 20.2 | 1.3 | 2.4 | 4.8 | 96 | | |

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 3/13/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 7:51 | 50.0 | 1.8 | 3.1 | 6.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 7:51 | 50.0 | 1.8 | 5.1 | 8.8 | >100 | | |
| Office ambient air, without filter | 3/22/2012 | 12:15 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:42 | 1.1 | 19.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:40 | 1.1 | 19.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:38 | 43.8 | 1.3 | 4.5 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:50 | 43.8 | 1.2 | 5.7 | 10.4 | >100 | | |
| Office ambient air, without filter | 3/27/2012 | 10:40 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:52 | 2.2 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 2.2 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:43 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:59 | 29.7 | 2.7 | 4.2 | 9.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:01 | 29.7 | 1.7 | 6.2 | 12.0 | >100 | | |
| Office ambient air, without filter | 4/3/2012 | 12:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:06 | 4.4 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:08 | 4.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:59 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 45.1 | 1.2 | 2.9 | 11.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:16 | 45.1 | 1.0 | 5.7 | 13.3 | >100 | | |
| Office ambient air, without filter | 4/10/2012 | 11:30 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 3.9 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:48 | 3.9 | 20.6 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:40 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:58 | 74.8 | 1.2 | 3.5 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:01 | 74.8 | 1.5 | 5.4 | 15.1 | >100 | | |
| Office ambient air, without filter | 4/17/2012 | 10:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:09 | 3.0 | 20.7 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 3.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:35 | 34.6 | 1.0 | 4.2 | 11.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:42 | 34.6 | 0.6 | 5.5 | 14.3 | >100 | | |
| Office ambient air, without filter | 4/26/2012 | 12:20 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:36 | 4.1 | 20.0 | 1.6 | 0.3 ^[4] | 10 ^[4] | | |
| Sub-slab probe B (office) without filter | | 12:38 | 4.1 | 20.5 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | | 11:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:14 | 20.5 | 0.7 | 3.7 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:17 | 20.5 | 15.9 | 1.5 | 3.2 ^[4] | 94 ^[4] | | |

TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, without filter | 5/3/2012 | 9:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:08 | 1.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 1.6 | 20.2 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:14 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:24 | 24.4 | 19.1 | 0.2 | 1.3 | 28 | | |
| Sub-slab probe A (warehouse) without filter | | 11:25 | 24.4 | 17.1 | 1.1 | 2.2 | 57 | | |
| Office ambient air, without filter | 5/10/2012 | 14:27 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:36 | 1.5 | 21.0 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:38 | 1.5 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:34 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 34.9 | 1.7 | 2.9 | 14 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 34.9 | 0.7 | 5.8 | 16.7 | >100 | | |
| Office ambient air, without filter | 5/15/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:15 | 1.8 | 18.5 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:15 | 1.8 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:51 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:59 | 22.2 | 1.3 | 0.8 | 13.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:59 | 22.2 | 2.0 | 5.0 | 14.5 | >100 | | |
| Office ambient air, without filter | 5/24/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:35 | 2.2 | 20.3 | 0.2 | 0.2 | 4 | | |
| Sub-slab probe B (office) without filter | | 14:41 | 2.2 | 20.3 | 0.3 | 0.3 | 4 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:15 | 19.7 | 1.2 | 4.3 | 14.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:22 | 19.7 | 0.6 | 3.6 | 18.6 | >100 | | |
| Office ambient air, without filter | 5/31/2012 | 9:40 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:53 | 2.8 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:06 | 2.8 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:13 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:26 | 46.4 | 1.1 | 5.1 | 15.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:50 | 46.4 | 1.5 | 6.5 | 17.9 | >100 | | |
| Office ambient air, without filter | 6/7/2012 | 9:22 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:30 | 4.6 | 20.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:41 | 4.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:49 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:57 | 82.3 | 0.4 | 5.7 | 16.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:04 | 82.3 | 1.2 | 6.3 | 19.8 | >100 | | |
| Office ambient air, without filter | 6/14/2012 | 9:55 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:04 | 11.5 | 19.9 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:12 | 11.5 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:19 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:32 | 35.3 | 8.2 | 3.5 | 11.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:40 | 35.3 | 0.9 | 6.4 | 20.3 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| Office ambient air, without filter | 6/19/2012 | 9:48 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:05 | 3.7 | 19.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:07 | 3.7 | 19.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:37 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:08 | 38.1 | 1.4 | 5.7 | 16.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:09 | 38.1 | 1.0 | 6.5 | 22.3 | >100 | | |
| Office ambient air, without filter | 6/28/2012 | 9:13 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:29 | 0.8 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:29 | 0.8 | 19.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:35 | 0.0 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:49 | 59.1 | 17.8 | 0.4 | 3 | 66 | | |
| Sub-slab probe A (warehouse) without filter | | 9:49 | 59.1 | 12.4 | 2.9 | 9 | >100 | | |
| Office ambient air, without filter | 7/3/2012 | 10:35 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:53 | 2.7 | 18.2 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:55 | 2.7 | 18.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:44 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:00 | 54.1 | 1.2 | 6.6 | 20.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:02 | 54.1 | 1.1 | 4.1 | 17 | >100 | | |
| Office ambient air, without filter | 7/11/2012 | 14:02 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 10.2 | 18.0 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 10.2 | 18.1 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:25 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:33 | 60.3 | 1.4 | 7.1 | 19.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:33 | 60.3 | 1.3 | 4.0 | 15.2 | >100 | | |
| Office ambient air, without filter | 7/19/2012 | 14:20 | 0.0 | 20.7 | 0.0 | 0.1 ^[4] | 1 ^[4] | | |
| Sub-slab probe B (office) with filter | | 14:27 | 25.5 | 18.9 | 2.7 | 0.8 ^[4] | 7 ^[4] | | |
| Sub-slab probe B (office) without filter | | 14:27 | 25.5 | 19.0 | 0.8 | 0.0 | 1 | | |
| Warehouse ambient air, without filter | | 14:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:13 | 24.2 | 1.3 | 7.4 | 17.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:13 | 24.2 | 1.3 | 7.1 | 22.7 | >100 | | |
| Office ambient air, without filter | 7/26/2012 | 9:08 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 0.3 | 18.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:20 | 0.3 | 18.5 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:25 | 0.0 | 20.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:33 | 1.1 | 3.3 | 4.9 | 15.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:33 | 1.1 | 0.6 | 7.1 | 24.7 | >100 | | |
| Office ambient air, with filter | 8/2/2012 | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | 90s | none |
| Office ambient air, without filter | | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 8:59 | 63.2 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 8:59 | 63.2 | 19.4 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:14 | 115.9 | 6.6 | 0.8 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:14 | 115.9 | 6.2 | 5.2 | 15.7 | >100 | | |
| Office ambient air, with filter | 8/7/2012 | 10:29 | -- | -- | -- | -- | 0 | Low 90s | none |
| Office ambient air, without filter | | 10:29 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:32 | -- | -- | -- | -- | 0 | | |
| Sub-slab probe B (office) without filter | | 10:32 | 7.4 | 18.6 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 10:40 | -- | -- | -- | -- | 0 | | |
| Warehouse ambient air, without filter | | 10:40 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:45 | -- | -- | -- | -- | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:45 | 53.7 | 5.2 | 5.2 | 24.6 | >100 | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|---|
| Office ambient air, with filter | 8/16/2012 | 12:53 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| Office ambient air, without filter | | 12:53 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:02 | 7.7 | 19.3 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:02 | 7.7 | 19.2 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:57 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:57 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 42.5 | 0.3 | 5.9 | 18.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:15 | 42.5 | 1.6 | 5.9 | 22.6 | >100 | | |
| Office ambient air, with filter | 8/21/2012 | 15:00 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | 80s | none |
| Office ambient air, without filter | | 15:00 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:16 | 4.3 | 19.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:16 | 4.3 | 20.3 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:40 | 46.7 | 15.4 | 0.6 | 18.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:40 | 46.7 | 14.7 | 1.7 | 23.9 | >100 | | |
| Office ambient air, without filter | 8/30/2012 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 80s | none |
| Sub-slab probe B (office) with filter | | 15:19 | 0.0 | 19.3 | 1.3 | 0.2 ^[4] | 3 ^[4] | | |
| Sub-slab probe B (office) without filter | | 15:19 | 0.0 | 19.3 | 1.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:50 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 62.7 | 0.7 | 6.4 | 16.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 62.7 | 0.4 | 6.0 | 25.1 | >100 | | |
| Office ambient air, with filter | 9/6/2012 | | 0.0 | 19.8 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 |
| Office ambient air, without filter | | | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:24 | 6.2 | 18.4 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:24 | 6.2 | 18.8 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 108.4 | 0.9 | 3.7 | 17.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 108.4 | 0.4 | 5.8 | 24.6 | >100 | | |
| Office ambient air, with filter | 9/13/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 2.3 | 19.5 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:47 | 2.3 | 19.2 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:55 | 35.2 | 0.6 | 4.6 | 19.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:55 | 35.2 | 0.7 | 5.6 | 22.9 | >100 | | |
| Office ambient air, with filter | 9/20/2012 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:57 | 1.1 | 19.9 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:57 | 1.1 | 19.7 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:05 | 0.0 | 21.2 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:13 | 48.4 | 1.1 | 4.8 | 16.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:13 | 48.4 | 1.0 | 5.1 | 21.9 | >100 | | |

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 9/27/2012 | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | 60s - 70s | none |
| Office ambient air, without filter | | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 3.1 | 19.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 3.1 | 20.0 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:05 | 81.1 | 1.3 | 3.3 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:05 | 81.1 | 15.0 | 1.3 | 16.2 | >100 | | |
| Office ambient air, with filter | 10/2/2012 | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | mid 60s | light rain |
| Office ambient air, without filter | | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:45 | 1.5 | 20.2 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:45 | 1.5 | 20.1 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:00 | 91.4 | 0.5 | 5.6 | 15.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:00 | 91.4 | 0.2 | 4.9 | 21.3 | >100 | | |
| Office ambient air, with filter | 10/18/2012 | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | mid 70s | none |
| Office ambient air, without filter | | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 3.1 | 21.0 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 3.1 | 21.1 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:51 | 59.6 | 0.7 | 3.6 | 15.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:51 | 59.6 | 1.6 | 4.2 | 18.0 | >100 | | |
| Office ambient air, with filter | 10/25/2012 | 13:54 | 0.0 | 20.0 | 0.1 | 0.0 | 0 | 70s | none |
| Office ambient air, without filter | | 13:54 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 19.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 48.8 | 0.2 | 4.0 | 14.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 48.8 | 0.2 | 4.2 | 17.9 | >100 | | |
| Office ambient air, with filter | 10/30/2012 | 14:15 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| Office ambient air, without filter | | 14:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.3 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.3 | 20.4 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:24 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:24 | 0.0 | 27.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:15 | 15.5 | 0.6 | 2.4 | 14.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:15 | 15.5 | 0.4 | 4.0 | 17.7 | >100 | | |

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 11/8/2012 | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:32 | 2.0 | 20.1 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:32 | 2.0 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:44 | 1.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:44 | 1.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:44 | 83.6 | 0.3 | 2.9 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:44 | 83.6 | 0.5 | 3.6 | 16.0 | >100 | | |
| Office ambient air, with filter | 11/15/2012 | 14:24 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:24 | 0.0 | 22.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.7 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 21.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:53 | 21.9 | 0.3 | 3.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:53 | 21.9 | 0.2 | 3.5 | 16.4 | >100 | | |
| Office ambient air, with filter | 11/20/2012 | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 50s | Trace |
| Office ambient air, without filter | | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:48 | 0.0 | 20.3 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:48 | 0.0 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 79.6 | 0.1 | 3.4 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 79.6 | 0.1 | 3.5 | 17.5 | >100 | | |
| Office ambient air, with filter | 11/29/2012 | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| Office ambient air, without filter | | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:13 | 0.9 | 20.3 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:13 | 0.9 | 20.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 32.5 | 0.4 | 3.2 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 32.5 | 0.3 | 3.2 | 16.1 | >100 | | |
| Office ambient air, with filter | 12/4/2012 | 14:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 20.1 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:47 | 33.1 | 0.9 | 3.5 | 12.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:47 | 33.1 | 0.8 | 3.5 | 14.8 | >100 | | |
| Office ambient air, with filter | 12/13/2012 | 14:41 | 0.0 | 21.2 | 0.0 | 0.1 U | 2 U | 40s | None |
| Office ambient air, without filter | | 14:41 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:27 | 1.1 | 20.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:27 | 1.1 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:38 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:38 | 0.0 | 21.1 | 0.1 | 0.1 U | 2 U | | |
| Sub-slab probe A (warehouse) with filter | | 15:42 | 35.9 | 0.8 | 2.4 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:42 | 35.9 | 0.5 | 3.2 | 15.2 | >100 | | |

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|---|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 12/18/2012 | 12:49 | 0.0 | 21.9 | 0.0 | 0.0 | 1 U | 40s | None |
| Office ambient air, without filter | | 12:59 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.2 | 20.3 | 2.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.2 | 20.2 | 3.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 21.8 | 0.0 | 0.1 U | 2 U | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:02 | 30.4 | 0.3 | 2.9 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:02 | 30.4 | 0.6 | 3.5 | 15.4 | >100 | | |
| 1903 Dryden Road, Valley Asphalt, Parcel 5054 Building 2 (Quonset Hut) | | 12/27/2012 | Property closed from December 21, 2012 to January 6, 2013 | | | | | | |
| Office ambient air, with filter | 1/10/2013 | 12:21 | 0.0 | 20.2 | 0.2 | 0.0 | 0 | 30s | Trace |
| Office ambient air, without filter | | 12:21 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:37 | 0.4 | 20.2 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:37 | 0.4 | 20.3 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 20.4 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:50 | 8.2 | 0.9 | 2.1 | 10.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:50 | 8.2 | 1.2 | 3.2 | 11.5 | >100 | | |
| Office ambient air, with filter | | 1/17/2013 | 12:35 | 0.0 | 21.3 | 0.1 | 0.0 | | |
| Office ambient air, without filter | 12:35 | | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | 14:15 | | 0.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | 14:15 | | 0.4 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | 12:37 | | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | 12:37 | | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | 14:28 | | 20.4 | 0.3 | 3.2 | 11.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | 14:28 | | 20.4 | 0.4 | 3.2 | 12.5 | >100 | | |
| Office ambient air, with filter | 1/24/2013 | | 14:11 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 10s - 20s |
| Office ambient air, without filter | | 14:11 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:50 | 0.0 | 21.1 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:50 | 0.0 | 21.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 16:13 | 7.8 | 1.2 | 2.5 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 16:13 | 7.8 | 0.6 | 3.5 | 10.7 | >100 | | |
| Office ambient air, with filter | | 1/31/2013 | 14:35 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | |
| Office ambient air, without filter | 14:35 | | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | 15:29 | | 0.0 | 20.4 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | 15:29 | | 0.0 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | 14:45 | | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | 14:45 | | 0.0 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | 15:52 | | 7.9 | 0.8 | 3.5 | 9.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | 15:52 | | 7.9 | 0.5 | 3.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 2/7/2013 | | 14:25 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 20s - 50s |
| Office ambient air, without filter | | 14:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:04 | 1.1 | 21.2 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:04 | 1.1 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:30 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:30 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:25 | 23.0 | 1.0 | 3.0 | 8.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:25 | 23.0 | 0.7 | 3.1 | 9.6 | >100 | | |

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 2/12/2013 | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 14.8 | 0.5 | 3.4 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 14.8 | 1.1 | 3.4 | 9.3 | >100 | | |
| Office ambient air, with filter | 2/21/2013 | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 20s | trace |
| Office ambient air, without filter | | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | | 0.3 | 20.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | | 0.3 | 20.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | | 10.2 | 0.5 | 3.2 | 7.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | | 10.2 | 0.6 | 3.4 | 8.1 | >100 | | |
| Office ambient air, with filter | 2/28/2013 | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | ~1 inch |
| Office ambient air, without filter | | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:25 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:25 | 0.0 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:43 | 6.3 | 0.2 | 3.5 | 8.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:43 | 6.3 | 0.4 | 3.5 | 9.6 | >100 | | |
| Office ambient air, with filter | 3/7/2013 | 13:10 | 0.0 | 22.8 | 0.1 | 0.0 | 0 | 30s | None |
| Office ambient air, without filter | | 13:10 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 0.1 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 0.1 | 20.7 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:25 | 33.7 | 3.1 | 3.5 | 6.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:25 | 33.7 | 0.6 | 3.6 | 8.9 | >100 | | |
| Office ambient air, with filter | 3/14/2013 | 14:04 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | 20s - 40s | None |
| Office ambient air, without filter | | 14:04 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 0.0 | 20.9 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:01 | 12.2 | 5.2 | 3.1 | 5.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:01 | 12.2 | 5.4 | 2.8 | 7.3 | >100 | | |
| Office ambient air, with filter | 3/21/2013 | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 20s - 30s | Trace |
| Office ambient air, without filter | | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:53 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:53 | 0.0 | 21.1 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:16 | 17.8 | 1.3 | 3.5 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:16 | 17.8 | 1.2 | 3.5 | 9.0 | >100 | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 3/28/2013 | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30 - 40s | None |
| Office ambient air, without filter | | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:10 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:10 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:33 | 5.7 | 6.5 | 1.0 | 7.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:33 | 5.7 | 6.6 | 2.4 | 7.8 | >100 | | |
| Office ambient air, with filter | 4/4/2013 | 13:08 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 30s - 50s | None |
| Office ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:22 | 0.7 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:22 | 0.7 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:04 | 0.1 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:04 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:45 | 20.0 | 4.3 | 2.9 | 6.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:45 | 20.0 | 4.3 | 3.3 | 7.7 | >100 | | |
| Office ambient air, with filter | 4/9/2013 | 12:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| Office ambient air, without filter | | 12:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.8 | 19.8 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.8 | 19.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:39 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:39 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:36 | 14.1 | 0.5 | 4.0 | 8.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:35 | 14.1 | 0.7 | 4.1 | 9.2 | >100 | | |
| Office ambient air, with filter | 4/18/2013 | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | 60s - 80s | None |
| Office ambient air, without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 1.0 | 20.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 1.0 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 21.8 | 0.4 | 5.0 | 9.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 21.8 | 0.7 | 5.0 | 9.9 | >100 | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 4/23/2013 | 12:45 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 50s - 60s | None |
| Office ambient air, without filter | | 12:45 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.0 | 20.3 | 1.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.0 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:53 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:53 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:10 | 26.4 | 0.9 | 4.7 | 7.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:10 | 26.4 | 0.8 | 4.9 | 8.8 | >100 | | |
| | | | | | | | | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

^[3] - Value was rejected (R) due to suspected transcription error or meter malfunction.

^[4] - Anomalous Value. Suspected instrument carry-over or transcription error.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).


 - Unfiltered value is lower than filtered value, indicating either a transcription error, or issue with sampling or data quality.

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel/Building/Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0 | ND(1) ¹ | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1 | 3.3 | 0.8 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21 | 0.1 | 0 | 0 | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3 | 0 | 0 | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0 | 0 | 0 | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3 | 5.1 | 1.1 | 24 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3 | 0.5 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 | 38 | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 | 51 | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | 43 | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | 63 | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 90s | none |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | 38 | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | -- | 0 | low 90s | none |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | -- | 43 | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | 57 | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | 47 | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | 62 | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 80s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | 42 | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | 46 | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | 80s | none |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | 39 | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | 57 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|-----------------------|------------------------|------------------------|------------|------------------------------|--|------------|
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | | | 38 |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | | | 58 |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | |
| 5173 / 1 / C / Storage area without filter | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | | | 41 |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | | | 52 |
| 5173 / 1/ SIM Trainer | 9/27/2012 | Inaccessible | | | | | | 60s - 70s | none |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | mid 60s | light rain |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | 40 | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | 56 | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | mid 70s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | 30 | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location: Parcel/Building/Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|-------------|----------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 70s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | 31 | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | 41 | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | 34 | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | 43 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | 27 | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | 33 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | 27 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 50s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | 9 | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | 16 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | |
| 5173 / 1 / A / Office area ambient air with filter | | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area ambient air without filter | 13:55 | | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | 14:41 | | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | 14:41 | | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 14:04 | | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 14:04 | | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | 14:51 | | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | 14:51 | | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:58 | | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:58 | | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | 14:56 | | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | 14:56 | | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location: Parcel/Building/Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|-------------|----------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | 10s - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | 15 | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | 22 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | 17 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | 16 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | 21 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | 18 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | 19 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|------------------------------|------------------------------------|---------|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 0 | 20s - 50s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | 13 | | |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | 19 | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | 13 | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 0 | 20s | trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | | 0.9 | 16.0 | 3.4 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | | 0.9 | 16.0 | 4.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | |
| 5173 / 1 / C / Storage area without filter | | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s - 40s | ~1 inch |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | 13 | | |
| 5173 / 1 / C / Storage area without filter | | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | 8 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 20s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | 13 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | 20s - 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 50s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | 8 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | 50s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:19 | 1.1 | 15.5 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:19 | 1.1 | 15.6 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 1.3 | 6.5 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 1.3 | 10.0 | 6.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:31 | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:31 | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> <i>Parcel/Building/Probe</i> | <i>Date:</i> | <i>PID</i> <i>Time</i> | <i>O₂</i> <i>(ppm)</i> | <i>O₂</i> <i>(%)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> |
|---|--------------|--|--------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | 60s - 80s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | 13 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | 18 | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | 50s - 60s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 14:09 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 0.3 | 16.1 | 3.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 0.3 | 15.9 | 4.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:52 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:52 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 0.2 | 6.9 | 10.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 0.2 | 6.9 | 10.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:00 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:00 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:04 | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 15:04 | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

TABLE 3

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|------------------|---------------------------------|--|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | |
| GP-2 (16') without filter | | -- | | 2.0 | 11.6 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | | 4.6 | 10.0 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | |

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|--|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).



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June 10, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: May 1 through 31, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAO) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAO), and the ASAO for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAO), for the period of May 1 through 31, 2013.

The next Progress Report for the month of June 2013 will be submitted on or before July 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

On May 1, 2013, USEPA issued conditional approval for the Vapor Intrusion (VI) Mitigation Work Plan based on USEPA modifications provided by electronic mail (email) message. On May 9, 2013, Respondents issued an electronic copy and sent out hard copies of the Final VI Mitigation Work Plan to USEPA, Ohio EPA, the USEPA START Contractor and Montgomery County Combined Health District by email and overnight courier, respectively.



**CONESTOGA-ROVERS
& ASSOCIATES**

June 10, 2013

Reference No. 038443-12

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On May 2, 9, 16, 23, and 30, 2013, USEPA, Ohio EPA, the USEPA START contractor, and the Respondents participated in conference calls regarding the status of (VI) mitigation activities. On May 2, 2013, the Respondents provided Standard Operating Procedures (SOPs) for the Vapor Pin™ system that was discussed on that day's conference call. On May 3, 2013, the USEPA START contractor posed questions to CRA regarding the range of slab thicknesses in which the Vapor Pins could be used; CRA responded on the same date. On May 30, 2013, CRA provided draft SSDS figures for all buildings for discussion purposes.

On May 3, 2013, CRA notified USEPA and the USEPA START contractor regarding Globe Equipment's preferred time and date for a meeting regarding sub-slab depressurization system (SSDS) installation. On May 13, 2013, USEPA START contractor, CRA, and Environmental Doctor held a meeting with Globe Equipment regarding the proposed SSDS installation.

On May 6, 2013, USEPA provided CRA with comments on the Operable Unit One (OU1) Phase 1A Groundwater and Data Gap Work Plan (OU1 Phase 1A Work Plan). On May 8, 2013, CRA responded to USEPA with suggested language proposed to address USEPA comments; USEPA accepted the additional language. On May 10, 2013, the Respondents issued the Final OU1 Phase 1A Work Plan to USEPA. On May 14, 2013, USEPA approved the OU1 Phase 1A Work Plan.

On May 8, 2013, CRA provided USEPA and Ohio EPA with reformatted OU2 Scoping Technical Memorandum tables.

On May 9, 2013, the Respondents provided SSDS Acceptance Letter forms to the property management company for the Site owners (Mark Fornes Realty Inc.) and legal counsel for the property owners (Tim Hoffman of Dinsmore & Shohl, LLP). On May 16, 2013, the Respondents provided copies of the signed SSDS Acceptance Letters for the seven buildings owned by the property owners to USEPA.

On May 23, 2013, Respondents issued a Notice of Award/Notice to Proceed for the sub-slab depressurization system installations to Environmental Doctor, an Ohio-licensed radon subcontractor. Environmental Doctor returned a signed copy of the Acceptance of Notice to Proceed on May 24, 2013.

On May 23, 2013, USEPA, Ohio EPA, and the Respondents participated in a conference call to discuss the OU2 Scoping Technical Memorandum.

In May 2013, in order to monitor elevated lower explosive limit (LEL) readings, the Respondents collected weekly field screening measurements [methane (CH₄), carbon dioxide



(CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from Valley Asphalt Parcel 5054 Building 2 at 1903 Dryden Road, and SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in Tables 1 and 2, respectively. Table 3 presents field screening values measured by the Respondents in USEPA soil gas probe GP-2.

SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As discussed with USEPA previously, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation activities have and will have on their business activities. The Respondents will continue to work the USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to complete the OU1 investigation and address vapor intrusion issues at and in the vicinity of the Site. Phase 1A is scheduled to commence on June 10, 2013.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.



**CONESTOGA-ROVERS
& ASSOCIATES**

June 10, 2013

Reference No. 038443-12

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Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley, P.E.

VC/cb/6

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Laura Marshall, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 1/10/2012 | -- | 0.2 | 21.4 | 0.1 | 0.0 | NM | | |
| Sub-slab probe B (office) without filter | | -- | 1.2 | 21.2 | 0.1 | 0.0 | NM | | |
| Warehouse ambient air, without filter | | -- | 0.5 | 22.8 | 0.1 | 0.0 | NM | | |
| Sub-slab probe A (warehouse) without filter | | -- | 50.1 | 4.6 | 3.9 | 7.6 | NM | | |
| Warehouse ambient air, without filter | 1/19/2012 | 10:40 | 0.1 | 24.1 | 0.0 | 0.0 | ND(1) ^[1] | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 72.4 | 5.7 | 3.1 | 5.2 | >100 | | |
| Sub-slab probe B (office) without filter | | 11:22 | 6.2 | 23.2 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | 1/24/2012 | 11:05 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:14 | 52.7 | 5.7 | 3.1 | 5.1 | >100 | | |
| Office ambient air, without filter | | 10:50 | 0.0 | 23.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office), without filter | | 10:57 | 2.5 | 21.7 | 0.1 | 0.0 | 0 | | |
| Office ambient air, without filter | 1/31/2012 | 10:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:12 | 5.8 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:30 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:17 | 72.4 | 1.9 | 3.8 | 6.9 | >100 | | |
| Office ambient air, without filter | 2/7/2012 | 10:14 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 5.9 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:24 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 67.2 | 6.3 | 3.0 | 6.5 | >100 | | |
| Office ambient air, without filter | 2/15/2012 | 11:00 | 0.1 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:02 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:52 | 52.2 | 9.8 | 0.6 | 3.7 | 73 | | |
| Sub-slab probe A (warehouse) without filter | | 13:49 | 52.2 | 4.8 | 3.2 | 6.5 | R ^[3] | | |
| Office ambient air, without filter | 2/23/2012 | 14:00 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 2.3 | 20.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 2.3 | 20.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 19.5 | 5.5 | 0.6 | 5.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 19.5 | 1.6 | 4.2 | 8.2 | >100 | | |
| Office ambient air, without filter | 3/1/2012 | 12:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:43 | 5.2 | 22.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:44 | 5.2 | 22.0 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:21 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:55 | 71.9 | 6.0 | 1.2 | 5.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:58 | 71.9 | 15.9 | 1.7 | 5.6 | 90 ^[4] | | |
| Office ambient air, without filter | 3/8/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 1.4 | 20.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:45 | 20.2 | 1.3 | 2.4 | 4.8 | 96 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 3/13/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 7:51 | 50.0 | 1.8 | 3.1 | 6.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 7:51 | 50.0 | 1.8 | 5.1 | 8.8 | >100 | | |
| Office ambient air, without filter | 3/22/2012 | 12:15 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:42 | 1.1 | 19.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:40 | 1.1 | 19.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:38 | 43.8 | 1.3 | 4.5 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:50 | 43.8 | 1.2 | 5.7 | 10.4 | >100 | | |
| Office ambient air, without filter | 3/27/2012 | 10:40 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:52 | 2.2 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 2.2 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:43 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:59 | 29.7 | 2.7 | 4.2 | 9.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:01 | 29.7 | 1.7 | 6.2 | 12.0 | >100 | | |
| Office ambient air, without filter | 4/3/2012 | 12:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:06 | 4.4 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:08 | 4.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:59 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 45.1 | 1.2 | 2.9 | 11.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:16 | 45.1 | 1.0 | 5.7 | 13.3 | >100 | | |
| Office ambient air, without filter | 4/10/2012 | 11:30 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 3.9 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:48 | 3.9 | 20.6 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:40 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:58 | 74.8 | 1.2 | 3.5 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:01 | 74.8 | 1.5 | 5.4 | 15.1 | >100 | | |
| Office ambient air, without filter | 4/17/2012 | 10:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:09 | 3.0 | 20.7 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 3.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:35 | 34.6 | 1.0 | 4.2 | 11.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:42 | 34.6 | 0.6 | 5.5 | 14.3 | >100 | | |
| Office ambient air, without filter | 4/26/2012 | 12:20 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:36 | 4.1 | 20.0 | 1.6 | 0.3 ^[4] | 10 ^[4] | | |
| Sub-slab probe B (office) without filter | | 12:38 | 4.1 | 20.5 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | | 11:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:14 | 20.5 | 0.7 | 3.7 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:17 | 20.5 | 15.9 | 1.5 | 3.2 ^[4] | 94 ^[4] | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, without filter | 5/3/2012 | 9:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:08 | 1.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 1.6 | 20.2 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:14 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:24 | 24.4 | 19.1 | 0.2 | 1.3 | 28 | | |
| Sub-slab probe A (warehouse) without filter | | 11:25 | 24.4 | 17.1 | 1.1 | 2.2 | 57 | | |
| Office ambient air, without filter | 5/10/2012 | 14:27 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:36 | 1.5 | 21.0 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:38 | 1.5 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:34 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 34.9 | 1.7 | 2.9 | 14 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 34.9 | 0.7 | 5.8 | 16.7 | >100 | | |
| Office ambient air, without filter | 5/15/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:15 | 1.8 | 18.5 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:15 | 1.8 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:51 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:59 | 22.2 | 1.3 | 0.8 | 13.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:59 | 22.2 | 2.0 | 5.0 | 14.5 | >100 | | |
| Office ambient air, without filter | 5/24/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:35 | 2.2 | 20.3 | 0.2 | 0.2 | 4 | | |
| Sub-slab probe B (office) without filter | | 14:41 | 2.2 | 20.3 | 0.3 | 0.3 | 4 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:15 | 19.7 | 1.2 | 4.3 | 14.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:22 | 19.7 | 0.6 | 3.6 | 18.6 | >100 | | |
| Office ambient air, without filter | 5/31/2012 | 9:40 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:53 | 2.8 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:06 | 2.8 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:13 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:26 | 46.4 | 1.1 | 5.1 | 15.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:50 | 46.4 | 1.5 | 6.5 | 17.9 | >100 | | |
| Office ambient air, without filter | 6/7/2012 | 9:22 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:30 | 4.6 | 20.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:41 | 4.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:49 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:57 | 82.3 | 0.4 | 5.7 | 16.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:04 | 82.3 | 1.2 | 6.3 | 19.8 | >100 | | |
| Office ambient air, without filter | 6/14/2012 | 9:55 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:04 | 11.5 | 19.9 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:12 | 11.5 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:19 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:32 | 35.3 | 8.2 | 3.5 | 11.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:40 | 35.3 | 0.9 | 6.4 | 20.3 | >100 | | |

TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| Office ambient air, without filter | 6/19/2012 | 9:48 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:05 | 3.7 | 19.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:07 | 3.7 | 19.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:37 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:08 | 38.1 | 1.4 | 5.7 | 16.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:09 | 38.1 | 1.0 | 6.5 | 22.3 | >100 | | |
| Office ambient air, without filter | 6/28/2012 | 9:13 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:29 | 0.8 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:29 | 0.8 | 19.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:35 | 0.0 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:49 | 59.1 | 17.8 | 0.4 | 3 | 66 | | |
| Sub-slab probe A (warehouse) without filter | | 9:49 | 59.1 | 12.4 | 2.9 | 9 | >100 | | |
| Office ambient air, without filter | 7/3/2012 | 10:35 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:53 | 2.7 | 18.2 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:55 | 2.7 | 18.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:44 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:00 | 54.1 | 1.2 | 6.6 | 20.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:02 | 54.1 | 1.1 | 4.1 | 17 | >100 | | |
| Office ambient air, without filter | 7/11/2012 | 14:02 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 10.2 | 18.0 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 10.2 | 18.1 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:25 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:33 | 60.3 | 1.4 | 7.1 | 19.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:33 | 60.3 | 1.3 | 4.0 | 15.2 | >100 | | |
| Office ambient air, without filter | 7/19/2012 | 14:20 | 0.0 | 20.7 | 0.0 | 0.1 ^[4] | 1 ^[4] | | |
| Sub-slab probe B (office) with filter | | 14:27 | 25.5 | 18.9 | 2.7 | 0.8 ^[4] | 7 ^[4] | | |
| Sub-slab probe B (office) without filter | | 14:27 | 25.5 | 19.0 | 0.8 | 0.0 | 1 | | |
| Warehouse ambient air, without filter | | 14:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:13 | 24.2 | 1.3 | 7.4 | 17.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:13 | 24.2 | 1.3 | 7.1 | 22.7 | >100 | | |
| Office ambient air, without filter | 7/26/2012 | 9:08 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 0.3 | 18.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:20 | 0.3 | 18.5 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:25 | 0.0 | 20.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:33 | 1.1 | 3.3 | 4.9 | 15.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:33 | 1.1 | 0.6 | 7.1 | 24.7 | >100 | | |
| Office ambient air, with filter | 8/2/2012 | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | 90s | none |
| Office ambient air, without filter | | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 8:59 | 63.2 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 8:59 | 63.2 | 19.4 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:14 | 115.9 | 6.6 | 0.8 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:14 | 115.9 | 6.2 | 5.2 | 15.7 | >100 | | |
| Office ambient air, with filter | 8/7/2012 | 10:29 | -- | -- | -- | -- | 0 | Low 90s | none |
| Office ambient air, without filter | | 10:29 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:32 | -- | -- | -- | -- | 0 | | |
| Sub-slab probe B (office) without filter | | 10:32 | 7.4 | 18.6 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 10:40 | -- | -- | -- | -- | 0 | | |
| Warehouse ambient air, without filter | | 10:40 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:45 | -- | -- | -- | -- | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:45 | 53.7 | 5.2 | 5.2 | 24.6 | >100 | | |

TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|---|
| Office ambient air, with filter | 8/16/2012 | 12:53 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| Office ambient air, without filter | | 12:53 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:02 | 7.7 | 19.3 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:02 | 7.7 | 19.2 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:57 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:57 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 42.5 | 0.3 | 5.9 | 18.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:15 | 42.5 | 1.6 | 5.9 | 22.6 | >100 | | |
| Office ambient air, with filter | 8/21/2012 | 15:00 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | 80s | none |
| Office ambient air, without filter | | 15:00 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:16 | 4.3 | 19.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:16 | 4.3 | 20.3 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:40 | 46.7 | 15.4 | 0.6 | 18.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:40 | 46.7 | 14.7 | 1.7 | 23.9 | >100 | | |
| Office ambient air, without filter | 8/30/2012 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 80s | none |
| Sub-slab probe B (office) with filter | | 15:19 | 0.0 | 19.3 | 1.3 | 0.2 ^[4] | 3 ^[4] | | |
| Sub-slab probe B (office) without filter | | 15:19 | 0.0 | 19.3 | 1.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:50 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 62.7 | 0.7 | 6.4 | 16.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 62.7 | 0.4 | 6.0 | 25.1 | >100 | | |
| Office ambient air, with filter | 9/6/2012 | | 0.0 | 19.8 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 |
| Office ambient air, without filter | | | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:24 | 6.2 | 18.4 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:24 | 6.2 | 18.8 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 108.4 | 0.9 | 3.7 | 17.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 108.4 | 0.4 | 5.8 | 24.6 | >100 | | |
| Office ambient air, with filter | 9/13/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 2.3 | 19.5 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:47 | 2.3 | 19.2 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:55 | 35.2 | 0.6 | 4.6 | 19.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:55 | 35.2 | 0.7 | 5.6 | 22.9 | >100 | | |
| Office ambient air, with filter | 9/20/2012 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:57 | 1.1 | 19.9 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:57 | 1.1 | 19.7 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:05 | 0.0 | 21.2 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:13 | 48.4 | 1.1 | 4.8 | 16.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:13 | 48.4 | 1.0 | 5.1 | 21.9 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 9/27/2012 | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | 60s - 70s | none |
| Office ambient air, without filter | | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 3.1 | 19.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 3.1 | 20.0 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:05 | 81.1 | 1.3 | 3.3 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:05 | 81.1 | 15.0 | 1.3 | 16.2 | >100 | | |
| Office ambient air, with filter | 10/2/2012 | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | mid 60s | light rain |
| Office ambient air, without filter | | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:45 | 1.5 | 20.2 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:45 | 1.5 | 20.1 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:00 | 91.4 | 0.5 | 5.6 | 15.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:00 | 91.4 | 0.2 | 4.9 | 21.3 | >100 | | |
| Office ambient air, with filter | 10/18/2012 | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | mid 70s | none |
| Office ambient air, without filter | | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 3.1 | 21.0 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 3.1 | 21.1 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:51 | 59.6 | 0.7 | 3.6 | 15.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:51 | 59.6 | 1.6 | 4.2 | 18.0 | >100 | | |
| Office ambient air, with filter | 10/25/2012 | 13:54 | 0.0 | 20.0 | 0.1 | 0.0 | 0 | 70s | none |
| Office ambient air, without filter | | 13:54 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 19.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 48.8 | 0.2 | 4.0 | 14.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 48.8 | 0.2 | 4.2 | 17.9 | >100 | | |
| Office ambient air, with filter | 10/30/2012 | 14:15 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| Office ambient air, without filter | | 14:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.3 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.3 | 20.4 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:24 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:24 | 0.0 | 27.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:15 | 15.5 | 0.6 | 2.4 | 14.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:15 | 15.5 | 0.4 | 4.0 | 17.7 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 11/8/2012 | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:32 | 2.0 | 20.1 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:32 | 2.0 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:44 | 1.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:44 | 1.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:44 | 83.6 | 0.3 | 2.9 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:44 | 83.6 | 0.5 | 3.6 | 16.0 | >100 | | |
| Office ambient air, with filter | 11/15/2012 | 14:24 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:24 | 0.0 | 22.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.7 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 21.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:53 | 21.9 | 0.3 | 3.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:53 | 21.9 | 0.2 | 3.5 | 16.4 | >100 | | |
| Office ambient air, with filter | 11/20/2012 | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 50s | Trace |
| Office ambient air, without filter | | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:48 | 0.0 | 20.3 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:48 | 0.0 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 79.6 | 0.1 | 3.4 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 79.6 | 0.1 | 3.5 | 17.5 | >100 | | |
| Office ambient air, with filter | 11/29/2012 | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| Office ambient air, without filter | | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:13 | 0.9 | 20.3 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:13 | 0.9 | 20.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 32.5 | 0.4 | 3.2 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 32.5 | 0.3 | 3.2 | 16.1 | >100 | | |
| Office ambient air, with filter | 12/4/2012 | 14:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 20.1 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:47 | 33.1 | 0.9 | 3.5 | 12.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:47 | 33.1 | 0.8 | 3.5 | 14.8 | >100 | | |
| Office ambient air, with filter | 12/13/2012 | 14:41 | 0.0 | 21.2 | 0.0 | 0.1 U | 2 U | 40s | None |
| Office ambient air, without filter | | 14:41 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:27 | 1.1 | 20.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:27 | 1.1 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:38 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:38 | 0.0 | 21.1 | 0.1 | 0.1 U | 2 U | | |
| Sub-slab probe A (warehouse) with filter | | 15:42 | 35.9 | 0.8 | 2.4 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:42 | 35.9 | 0.5 | 3.2 | 15.2 | >100 | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|------------|---|--------------|--------------------|---------------------|------------------------------------|---------|--------------------------------|---------------------------------------|
| Office ambient air, with filter | 12/18/2012 | 12:49 | 0.0 | 21.9 | 0.0 | 0.0 | 1 U | 40s | None |
| Office ambient air, without filter | | 12:59 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.2 | 20.3 | 2.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.2 | 20.2 | 3.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 21.8 | 0.0 | 0.1 U | 2 U | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:02 | 30.4 | 0.3 | 2.9 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:02 | 30.4 | 0.6 | 3.5 | 15.4 | >100 | | |
| 1903 Dryden Road, Valley Asphalt, Parcel 5054 Building 2 (Quonset Hut) | 12/27/2012 | Property closed from December 21, 2012 to January 6, 2013 | | | | | | | |
| Office ambient air, with filter | 1/10/2013 | 12:21 | 0.0 | 20.2 | 0.2 | 0.0 | 0 | 30s | Trace |
| Office ambient air, without filter | | 12:21 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:37 | 0.4 | 20.2 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:37 | 0.4 | 20.3 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 20.4 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:50 | 8.2 | 0.9 | 2.1 | 10.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:50 | 8.2 | 1.2 | 3.2 | 11.5 | >100 | | |
| Office ambient air, with filter | 1/17/2013 | 12:35 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | none |
| Office ambient air, without filter | | 12:35 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.4 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:28 | 20.4 | 0.3 | 3.2 | 11.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:28 | 20.4 | 0.4 | 3.2 | 12.5 | >100 | | |
| Office ambient air, with filter | 1/24/2013 | 14:11 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 10s - 20s | none |
| Office ambient air, without filter | | 14:11 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:50 | 0.0 | 21.1 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:50 | 0.0 | 21.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 16:13 | 7.8 | 1.2 | 2.5 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 16:13 | 7.8 | 0.6 | 3.5 | 10.7 | >100 | | |
| Office ambient air, with filter | 1/31/2013 | 14:35 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | 10s - 20s | none |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:29 | 0.0 | 20.4 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:29 | 0.0 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:52 | 7.9 | 0.8 | 3.5 | 9.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:52 | 7.9 | 0.5 | 3.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 2/7/2013 | 14:25 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 20s - 50s | none |
| Office ambient air, without filter | | 14:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:04 | 1.1 | 21.2 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:04 | 1.1 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:30 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:30 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:25 | 23.0 | 1.0 | 3.0 | 8.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:25 | 23.0 | 0.7 | 3.1 | 9.6 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 2/12/2013 | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 14.8 | 0.5 | 3.4 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 14.8 | 1.1 | 3.4 | 9.3 | >100 | | |
| Office ambient air, with filter | 2/21/2013 | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 20s | trace |
| Office ambient air, without filter | | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | | 0.3 | 20.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | | 0.3 | 20.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | | 10.2 | 0.5 | 3.2 | 7.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | | 10.2 | 0.6 | 3.4 | 8.1 | >100 | | |
| Office ambient air, with filter | 2/28/2013 | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | ~1 inch |
| Office ambient air, without filter | | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:25 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:25 | 0.0 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:43 | 6.3 | 0.2 | 3.5 | 8.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:43 | 6.3 | 0.4 | 3.5 | 9.6 | >100 | | |
| Office ambient air, with filter | 3/7/2013 | 13:10 | 0.0 | 22.8 | 0.1 | 0.0 | 0 | 30s | None |
| Office ambient air, without filter | | 13:10 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 0.1 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 0.1 | 20.7 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:25 | 33.7 | 3.1 | 3.5 | 6.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:25 | 33.7 | 0.6 | 3.6 | 8.9 | >100 | | |
| Office ambient air, with filter | 3/14/2013 | 14:04 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | 20s - 40s | None |
| Office ambient air, without filter | | 14:04 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 0.0 | 20.9 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:01 | 12.2 | 5.2 | 3.1 | 5.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:01 | 12.2 | 5.4 | 2.8 | 7.3 | >100 | | |
| Office ambient air, with filter | 3/21/2013 | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 20s - 30s | Trace |
| Office ambient air, without filter | | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:53 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:53 | 0.0 | 21.1 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:16 | 17.8 | 1.3 | 3.5 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:16 | 17.8 | 1.2 | 3.5 | 9.0 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 3/28/2013 | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30 - 40s | None |
| Office ambient air, without filter | | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:10 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:10 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:33 | 5.7 | 6.5 | 1.0 | 7.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:33 | 5.7 | 6.6 | 2.4 | 7.8 | >100 | | |
| Office ambient air, with filter | 4/4/2013 | 13:08 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 30s - 50s | None |
| Office ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:22 | 0.7 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:22 | 0.7 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:04 | 0.1 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:04 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:45 | 20.0 | 4.3 | 2.9 | 6.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:45 | 20.0 | 4.3 | 3.3 | 7.7 | >100 | | |
| Office ambient air, with filter | 4/9/2013 | 12:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| Office ambient air, without filter | | 12:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.8 | 19.8 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.8 | 19.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:39 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:39 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:36 | 14.1 | 0.5 | 4.0 | 8.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:35 | 14.1 | 0.7 | 4.1 | 9.2 | >100 | | |
| Office ambient air, with filter | 4/18/2013 | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | 60s - 80s | None |
| Office ambient air, without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 1.0 | 20.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 1.0 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 21.8 | 0.4 | 5.0 | 9.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 21.8 | 0.7 | 5.0 | 9.9 | >100 | | |
| Office ambient air, with filter | 4/23/2013 | 12:45 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 50s - 60s | None |
| Office ambient air, without filter | | 12:45 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.0 | 20.3 | 1.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.0 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:53 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:53 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:10 | 26.4 | 0.9 | 4.7 | 7.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:10 | 26.4 | 0.8 | 4.9 | 8.8 | >100 | | |
| Office ambient air, with filter | 4/30/2013 | 14:10 | 0.0 | 19.1 | 0.0 | 0.0 | 0 | 40s - 70s | None |
| Office ambient air, without filter | | 14:10 | 0.0 | 19.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 0.2 | 20.2 | 1.9 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 0.2 | 20.5 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:09 | 31.8 | 0.9 | 5.0 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:09 | 31.8 | 0.7 | 5.0 | 9.7 | >100 | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 5/9/2013 | 14:06 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | 50s - 70s | None |
| Office ambient air, without filter | | 14:06 | 0.0 | 19.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.0 | 18.9 | 1.9 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.0 | 19.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:03 | 0.0 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:03 | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:59 | 19.9 | 0.9 | 5.3 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:59 | 19.9 | 0.7 | 5.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 5/16/2013 | 13:03 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | 40s - 80s | ~1 inch |
| Office ambient air, without filter | | 13:03 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:41 | 0.5 | 20.0 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:41 | 0.5 | 19.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:02 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:02 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:05 | 25.7 | 0.5 | 6.1 | 10.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:05 | 25.7 | 0.5 | 6.1 | 12.5 | >100 | | |
| Office ambient air, with filter | 5/21/2013 | 14:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | 40s - 80s | ~0.2 inch |
| Office ambient air, without filter | | 14:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:35 | 0.0 | 19.3 | 2.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:35 | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:55 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:55 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:41 | 40.7 | 1.0 | 6.1 | 10.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:41 | 40.7 | 1.0 | 6.2 | 12.8 | >100 | | |
| Office ambient air, with filter | 5/30/2013 | 12:56 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | 50s - 80s | ~1.3 inch |
| Office ambient air, without filter | | 12:56 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:40 | 5.7 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:40 | 5.7 | 19.4 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:05 | 36.7 | 1.0 | 6.4 | 11.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:05 | 36.7 | 1.0 | 6.3 | 13.5 | >100 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

^[3] - Value was rejected (R) due to suspected transcription error or meter malfunction.

^[4] - Anomalous Value. Suspected instrument carry-over or transcription error.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).


 - Unfiltered value is lower than filtered value, indicating either a transcription error, or issue with sampling or data quality.

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------|--------------|-----------------------|------------------------|------------------------|--------------------|-----------------------------|------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0 | ND(1) ¹ | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1 | 3.3 | 0.8 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21 | 0.1 | 0 | 0 | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3 | 0 | 0 | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0 | 0 | 0 | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3 | 5.1 | 1.1 | 24 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3 | 0.5 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 | 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | -- | 0 | low 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0.0 | 0 | 80 - low 90s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | 39 | | | |
| 5173 / 1 / C / Storage area without filter | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | 57 | | | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|--|------|
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | |
| 5173 / 1 / C / Storage area without filter | | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | 41 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | 52 | | | |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | | 60s - 70s | none |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | mid 60s | light rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | 40 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | 56 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | mid 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID</i> <i>(ppm)</i> | <i>O₂</i> <i>(%)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> |
|---|--------------|-------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 70s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | 31 | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | 41 | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | 34 | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | 43 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | 27 | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | 33 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | 27 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 50s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | 9 | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | 16 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|-------------|----------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | 10s - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | 15 | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | 22 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | 17 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | 16 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | 21 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | 18 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | 19 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 20s - 50s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 20s | trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | | 0.9 | 16.0 | 3.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | | 0.9 | 16.0 | 4.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 90.5 | 1.8 | 3.0 | 0.7 | | | 13 |
| 5173 / 1 / C / Storage area without filter | | | 90.5 | 2.0 | 2.9 | 0.9 | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 30s - 40s | ~1 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | | 3/7/2013 | 14:00 | 0.4 | 21.2 | 0.1 | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:00 | | 0.4 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | 14:13 | | 0.0 | 16.4 | 2.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | 14:13 | | 0.0 | 15.2 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:50 | | 0.4 | 21.6 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:50 | | 0.4 | 21.6 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | 14:17 | | 0.0 | 9.1 | 7.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | 14:17 | | 0.0 | 6.9 | 9.8 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:40 | | 0.3 | 21.5 | 0.3 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:40 | | 0.3 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:21 | | 47.0 | 5.1 | 5.0 | 0.4 | 8 | | |
| 5173 / 1 / C / Storage area without filter | 14:21 | | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|---|
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 20s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | 13 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | 20s - 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 50s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | 8 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:23 | | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 14:19 | | 1.1 | 15.5 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 14:19 | | 1.1 | 15.6 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 14:26 | | 1.3 | 6.5 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | 14:26 | | 1.3 | 10.0 | 6.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:31 | | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | 14:31 | | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | 60s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | 50s - 60s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:09 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 0.3 | 16.1 | 3.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 0.3 | 15.9 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:52 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:52 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 0.2 | 6.9 | 10.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 0.2 | 6.9 | 10.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:00 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:00 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:04 | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | | | |
| 5173 / 1 / C / Storage area without filter | 15:04 | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 40s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | 10 | | | | |
| 5173 / 1 / C / Storage area without filter | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | 17 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 50s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | 12 | | | | |
| 5173 / 1 / C / Storage area without filter | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 40s - 80s | ~1 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | 15 | | | |
| 5173 / 1 / C / Storage area without filter | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | 22 | | | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:37 | 0.0 | 18.8 | 1.8 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:37 | 0.0 | 18.7 | 2.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.0 | 19.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.0 | 19.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.9 | 6.7 | 12.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.9 | 6.8 | 12.6 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:44 | 79.5 | 3.1 | 7.0 | 0.6 | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 15:44 | 79.5 | 3.1 | 6.6 | 1.0 | | | 20 |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | | | 17 |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | | | 25 |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|------------------|---------------------------------|--|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | |
| GP-2 (16') without filter | | -- | -- | 2.0 | 11.6 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 4.6 | 10.0 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | |

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|--|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/30/2013 | 14:45 | 0.0 | 16.8 | 3.4 | 0.0 | 0.0 | 40s - 70s | None |
| GP-2 (12') with filter | | 14:45 | 0.0 | 17.0 | 0.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:50 | 0.0 | 16.3 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:50 | 0.0 | 16.7 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/9/2013 | 14:41 | 0.0 | 14.8 | 3.3 | 0.0 | 0.0 | 50s - 70s | None |
| GP-2 (12') with filter | | 14:41 | 0.0 | 14.9 | 0.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:45 | 0.0 | 14.1 | 3.8 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:45 | 0.0 | 14.5 | 1.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/16/2013 | 13:25 | 0.0 | 15.3 | 4.1 | 0.0 | 0.0 | 40s - 80s | ~1 inch |
| GP-2 (12') with filter | | 13:25 | 0.0 | 15.3 | 4.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/21/2013 | 15:29 | 0.0 | 13.7 | 3.8 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch |
| GP-2 (12') with filter | | 15:29 | 0.0 | 13.8 | 3.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:32 | 0.0 | 12.7 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:32 | 0.0 | 12.8 | 3.0 | 0.0 | 0.0 | | |

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|
| GP-2 (12') without filter | 5/30/2013 | 13:20 | 0.0 | 15.8 | 3.8 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch |
| GP-2 (12') with filter | | 13:20 | 0.0 | 15.8 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:25 | 0.0 | 13.1 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:25 | 0.0 | 13.0 | 5.3 | 0.0 | 0.0 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).



**CONESTOGA-ROVERS
& ASSOCIATES**

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July 10, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: June 1 through 30, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of June 1 through 30, 2013.

The next Progress Report for the month of July 2013 will be submitted on or before August 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

RI/FS ASAOC Developments

On June 3, 2013, CH2M Hill requested information from CRA to coordinate field activities for the OU1 Phase 1A Groundwater and Data Gap Investigation. On June 4, 2013, CRA provided USEPA and CH2M Hill with a status update on mobilization activities and contact information details for the CRA field technicians for the OU1 Phase 1A Groundwater and Data Gap Investigation.



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On June 6, 2013, CRA provided USEPA, Ohio EPA, and CH2M Hill with a time for the OU1 Phase 1A kick-off meeting on-Site to discuss health and safety and an overview of the work. On June 6, 2013, CH2M Hill provided CRA with a list of representatives that would be present during the safety briefing, project review, and oversight on June 10, 2013.

On June 10, 2013, CRA commenced OU1 Phase 1A Groundwater and Data Gap investigative activities at the Site, in accordance with the USEPA-approved work plan.

On June 10, 2013, CRA provided USEPA, Ohio EPA, and CH2M Hill with an OU1 Phase 1A Sampling Activities Summary Excel file.

On June 11, 2013, CH2M Hill summarized OU1 Phase 1A groundwater sampling modifications proposed by CRA in an email to USEPA, CRA, and Ohio EPA. On June 11, 2013, USEPA provided approval for the changes in field procedures and requested confirmation of the sampling modifications from CRA. On June 11, 2013, CRA provided written confirmation, via email, to USEPA, Ohio EPA, and CH2M Hill that the revised groundwater sampling procedures would be followed.

On June 11, 2013, CH2M Hill requested clarification from CRA regarding the identification of the well located at 2447 East River Road, 'Miller Valentine' well. On June 21, 2013, CRA provided USEPA, Ohio EPA, and CH2M Hill with a summary of field observations regarding the location, status, and purpose of the well (well log number 966158) at 2447 East River Road. CRA requested feedback to determine if the provided pictures showed the same well USEPA personnel observed in 2009. The Respondents also indicated a sample of water at the point of discharge into the GMR could be collected for the purposes of the OU2 Investigation and are awaiting confirmation from USEPA regarding whether or not a sample is to be collected.

On June 13, 2013, CH2M Hill requested information from CRA regarding the Quality Assurance Project Plan (QAPP) requirements for frequency of equipment blank collection. On June 13, 2013, CRA provided CH2M Hill with the requested information, which indicated that field (equipment) blanks will be collected at a frequency of 1 per 10 sampling equipment decontamination procedures or at least once per day.

On June 17, 2013, CRA proposed to not measure radiation levels during the OU1 Phase 1A Geophysical Anomaly Test Trench Investigation, based on previous radiation monitoring values, which were less than the Ohio Administrative Code 3701:1-38-13 radiation dose limits. The request was later withdrawn.



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On June 19, 2013, the Respondents notified USEPA and CH2M Hill that the co-owner of Jim City Salvage (Dave Worley) had informed CRA via telephone that he was terminating access to Parcels 3753, 3261, and 4423. The co-owner stated access would not be allowed unless an order was issued by USEPA. On June 19, 2013, USEPA informed CRA that the matter was referred to the USEPA attorney.

On June 19, 2013, the Respondents provided USEPA and CH2M Hill with the draft screening level tables to support the OU2 Remedial Investigation Scoping Document. On June 26, 2013, the Respondents provided USEPA, Ohio EPA, and CH2M Hill with the preliminary Conceptual Site Model based on human health exposure.

On June 21, 2013, the Respondents provided a status update of the OU1 Phase 1A Investigations.

Removal Action ASAOA Developments

On June 3, 2013, Respondents issued a Notice to Unsuccessful Bidder for the sub-slab depressurization system installations to Geiler Company.

On June 4, 2013, the Respondents provided an updated Mitigation Summary Database Excel file, and meeting minutes for previous conference calls.

On June 6, 13, 20, and 27, 2013, USEPA, Ohio EPA, the USEPA START contractor, and the Respondents participated in conference calls regarding the status of (VI) mitigation activities.

On June 13, 2013, the Respondents provided USEPA, Ohio EPA, Public Health – Dayton and Montgomery County (PHDMC) with revised figures showing proposed SSDS compliance and extraction point locations; the Respondents also included a list of proposed changes to the proposed locations due to existing sub-slab soil vapor probe locations.

On June 17, 2013, the Respondents provided notification to USEPA regarding subcontractor selection to fulfill the requirements of Paragraph 12 of the Removal Action ASAOA.

On June 18, 2013, the Respondents provided USEPA, the USEPA START contractor, and Ohio EPA with copies of the signed Vapor Abatement System Acceptance Forms for the eight buildings addressed by the VI Mitigation Work Plan.

In June 2013, in order to monitor elevated lower explosive limit (LEL) readings, the Respondents collected weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from Valley Asphalt Parcel 5054



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& ASSOCIATES**

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Building 2 at 1903 Dryden Road, and SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in Tables 1 and 2, respectively. Table 3 presents field screening values measured by the Respondents in USEPA soil gas probe GP-2.

SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As discussed with USEPA previously, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation activities has had, and will have, on their business activities. The Respondents will continue to work the USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to complete the OU1 investigation and address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.



**CONESTOGA-ROVERS
& ASSOCIATES**

July 10, 2013

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Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley, P.E.

VC/cb/7

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Madelyn Smith, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 1/10/2012 | -- | 0.2 | 21.4 | 0.1 | 0.0 | NM | | |
| Sub-slab probe B (office) without filter | | -- | 1.2 | 21.2 | 0.1 | 0.0 | NM | | |
| Warehouse ambient air, without filter | | -- | 0.5 | 22.8 | 0.1 | 0.0 | NM | | |
| Sub-slab probe A (warehouse) without filter | | -- | 50.1 | 4.6 | 3.9 | 7.6 | NM | | |
| Warehouse ambient air, without filter | 1/19/2012 | 10:40 | 0.1 | 24.1 | 0.0 | 0.0 | ND(1) ^[1] | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 72.4 | 5.7 | 3.1 | 5.2 | >100 | | |
| Sub-slab probe B (office) without filter | | 11:22 | 6.2 | 23.2 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | 1/24/2012 | 11:05 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:14 | 52.7 | 5.7 | 3.1 | 5.1 | >100 | | |
| Office ambient air, without filter | | 10:50 | 0.0 | 23.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office), without filter | | 10:57 | 2.5 | 21.7 | 0.1 | 0.0 | 0 | | |
| Office ambient air, without filter | 1/31/2012 | 10:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:12 | 5.8 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:30 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:17 | 72.4 | 1.9 | 3.8 | 6.9 | >100 | | |
| Office ambient air, without filter | 2/7/2012 | 10:14 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 5.9 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:24 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 67.2 | 6.3 | 3.0 | 6.5 | >100 | | |
| Office ambient air, without filter | 2/15/2012 | 11:00 | 0.1 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:02 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:52 | 52.2 | 9.8 | 0.6 | 3.7 | 73 | | |
| Sub-slab probe A (warehouse) without filter | | 13:49 | 52.2 | 4.8 | 3.2 | 6.5 | R ^[3] | | |
| Office ambient air, without filter | 2/23/2012 | 14:00 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 2.3 | 20.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 2.3 | 20.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 19.5 | 5.5 | 0.6 | 5.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 19.5 | 1.6 | 4.2 | 8.2 | >100 | | |
| Office ambient air, without filter | 3/1/2012 | 12:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:43 | 5.2 | 22.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:44 | 5.2 | 22.0 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:21 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:55 | 71.9 | 6.0 | 1.2 | 5.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:58 | 71.9 | 15.9 | 1.7 | 5.6 | 90 ^[4] | | |
| Office ambient air, without filter | 3/8/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 1.4 | 20.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:45 | 20.2 | 1.3 | 2.4 | 4.8 | 96 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 3/13/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 7:51 | 50.0 | 1.8 | 3.1 | 6.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 7:51 | 50.0 | 1.8 | 5.1 | 8.8 | >100 | | |
| Office ambient air, without filter | 3/22/2012 | 12:15 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:42 | 1.1 | 19.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:40 | 1.1 | 19.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:38 | 43.8 | 1.3 | 4.5 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:50 | 43.8 | 1.2 | 5.7 | 10.4 | >100 | | |
| Office ambient air, without filter | 3/27/2012 | 10:40 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:52 | 2.2 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 2.2 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:43 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:59 | 29.7 | 2.7 | 4.2 | 9.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:01 | 29.7 | 1.7 | 6.2 | 12.0 | >100 | | |
| Office ambient air, without filter | 4/3/2012 | 12:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:06 | 4.4 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:08 | 4.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:59 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 45.1 | 1.2 | 2.9 | 11.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:16 | 45.1 | 1.0 | 5.7 | 13.3 | >100 | | |
| Office ambient air, without filter | 4/10/2012 | 11:30 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 3.9 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:48 | 3.9 | 20.6 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:40 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:58 | 74.8 | 1.2 | 3.5 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:01 | 74.8 | 1.5 | 5.4 | 15.1 | >100 | | |
| Office ambient air, without filter | 4/17/2012 | 10:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:09 | 3.0 | 20.7 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 3.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:35 | 34.6 | 1.0 | 4.2 | 11.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:42 | 34.6 | 0.6 | 5.5 | 14.3 | >100 | | |
| Office ambient air, without filter | 4/26/2012 | 12:20 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:36 | 4.1 | 20.0 | 1.6 | 0.3 ^[4] | 10 ^[4] | | |
| Sub-slab probe B (office) without filter | | 12:38 | 4.1 | 20.5 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | | 11:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:14 | 20.5 | 0.7 | 3.7 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:17 | 20.5 | 15.9 | 1.5 | 3.2 ^[4] | 94 ^[4] | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, without filter | 5/3/2012 | 9:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:08 | 1.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 1.6 | 20.2 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:14 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:24 | 24.4 | 19.1 | 0.2 | 1.3 | 28 | | |
| Sub-slab probe A (warehouse) without filter | | 11:25 | 24.4 | 17.1 | 1.1 | 2.2 | 57 | | |
| Office ambient air, without filter | 5/10/2012 | 14:27 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:36 | 1.5 | 21.0 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:38 | 1.5 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:34 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 34.9 | 1.7 | 2.9 | 14 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 34.9 | 0.7 | 5.8 | 16.7 | >100 | | |
| Office ambient air, without filter | 5/15/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:15 | 1.8 | 18.5 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:15 | 1.8 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:51 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:59 | 22.2 | 1.3 | 0.8 | 13.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:59 | 22.2 | 2.0 | 5.0 | 14.5 | >100 | | |
| Office ambient air, without filter | 5/24/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:35 | 2.2 | 20.3 | 0.2 | 0.2 | 4 | | |
| Sub-slab probe B (office) without filter | | 14:41 | 2.2 | 20.3 | 0.3 | 0.3 | 4 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:15 | 19.7 | 1.2 | 4.3 | 14.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:22 | 19.7 | 0.6 | 3.6 | 18.6 | >100 | | |
| Office ambient air, without filter | 5/31/2012 | 9:40 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:53 | 2.8 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:06 | 2.8 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:13 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:26 | 46.4 | 1.1 | 5.1 | 15.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:50 | 46.4 | 1.5 | 6.5 | 17.9 | >100 | | |
| Office ambient air, without filter | 6/7/2012 | 9:22 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:30 | 4.6 | 20.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:41 | 4.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:49 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:57 | 82.3 | 0.4 | 5.7 | 16.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:04 | 82.3 | 1.2 | 6.3 | 19.8 | >100 | | |
| Office ambient air, without filter | 6/14/2012 | 9:55 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:04 | 11.5 | 19.9 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:12 | 11.5 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:19 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:32 | 35.3 | 8.2 | 3.5 | 11.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:40 | 35.3 | 0.9 | 6.4 | 20.3 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| Office ambient air, without filter | 6/19/2012 | 9:48 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:05 | 3.7 | 19.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:07 | 3.7 | 19.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:37 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:08 | 38.1 | 1.4 | 5.7 | 16.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:09 | 38.1 | 1.0 | 6.5 | 22.3 | >100 | | |
| Office ambient air, without filter | 6/28/2012 | 9:13 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:29 | 0.8 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:29 | 0.8 | 19.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:35 | 0.0 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:49 | 59.1 | 17.8 | 0.4 | 3 | 66 | | |
| Sub-slab probe A (warehouse) without filter | | 9:49 | 59.1 | 12.4 | 2.9 | 9 | >100 | | |
| Office ambient air, without filter | 7/3/2012 | 10:35 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:53 | 2.7 | 18.2 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:55 | 2.7 | 18.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:44 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:00 | 54.1 | 1.2 | 6.6 | 20.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:02 | 54.1 | 1.1 | 4.1 | 17 | >100 | | |
| Office ambient air, without filter | 7/11/2012 | 14:02 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 10.2 | 18.0 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 10.2 | 18.1 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:25 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:33 | 60.3 | 1.4 | 7.1 | 19.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:33 | 60.3 | 1.3 | 4.0 | 15.2 | >100 | | |
| Office ambient air, without filter | 7/19/2012 | 14:20 | 0.0 | 20.7 | 0.0 | 0.1 ^[4] | 1 ^[4] | | |
| Sub-slab probe B (office) with filter | | 14:27 | 25.5 | 18.9 | 2.7 | 0.8 ^[4] | 7 ^[4] | | |
| Sub-slab probe B (office) without filter | | 14:27 | 25.5 | 19.0 | 0.8 | 0.0 | 1 | | |
| Warehouse ambient air, without filter | | 14:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:13 | 24.2 | 1.3 | 7.4 | 17.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:13 | 24.2 | 1.3 | 7.1 | 22.7 | >100 | | |
| Office ambient air, without filter | 7/26/2012 | 9:08 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 0.3 | 18.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:20 | 0.3 | 18.5 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:25 | 0.0 | 20.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:33 | 1.1 | 3.3 | 4.9 | 15.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:33 | 1.1 | 0.6 | 7.1 | 24.7 | >100 | | |
| Office ambient air, with filter | 8/2/2012 | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | 90s | none |
| Office ambient air, without filter | | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 8:59 | 63.2 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 8:59 | 63.2 | 19.4 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:14 | 115.9 | 6.6 | 0.8 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:14 | 115.9 | 6.2 | 5.2 | 15.7 | >100 | | |
| Office ambient air, with filter | 8/7/2012 | 10:29 | -- | -- | -- | -- | 0 | Low 90s | none |
| Office ambient air, without filter | | 10:29 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:32 | -- | -- | -- | -- | 0 | | |
| Sub-slab probe B (office) without filter | | 10:32 | 7.4 | 18.6 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 10:40 | -- | -- | -- | -- | 0 | | |
| Warehouse ambient air, without filter | | 10:40 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:45 | -- | -- | -- | -- | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:45 | 53.7 | 5.2 | 5.2 | 24.6 | >100 | | |

TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|---|
| Office ambient air, with filter | 8/16/2012 | 12:53 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| Office ambient air, without filter | | 12:53 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:02 | 7.7 | 19.3 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:02 | 7.7 | 19.2 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:57 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:57 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 42.5 | 0.3 | 5.9 | 18.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:15 | 42.5 | 1.6 | 5.9 | 22.6 | >100 | | |
| Office ambient air, with filter | 8/21/2012 | 15:00 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | 80s | none |
| Office ambient air, without filter | | 15:00 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:16 | 4.3 | 19.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:16 | 4.3 | 20.3 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:40 | 46.7 | 15.4 | 0.6 | 18.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:40 | 46.7 | 14.7 | 1.7 | 23.9 | >100 | | |
| Office ambient air, without filter | 8/30/2012 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 80s | none |
| Sub-slab probe B (office) with filter | | 15:19 | 0.0 | 19.3 | 1.3 | 0.2 ^[4] | 3 ^[4] | | |
| Sub-slab probe B (office) without filter | | 15:19 | 0.0 | 19.3 | 1.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:50 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 62.7 | 0.7 | 6.4 | 16.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 62.7 | 0.4 | 6.0 | 25.1 | >100 | | |
| Office ambient air, with filter | 9/6/2012 | | 0.0 | 19.8 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 |
| Office ambient air, without filter | | | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:24 | 6.2 | 18.4 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:24 | 6.2 | 18.8 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 108.4 | 0.9 | 3.7 | 17.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 108.4 | 0.4 | 5.8 | 24.6 | >100 | | |
| Office ambient air, with filter | 9/13/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 2.3 | 19.5 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:47 | 2.3 | 19.2 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:55 | 35.2 | 0.6 | 4.6 | 19.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:55 | 35.2 | 0.7 | 5.6 | 22.9 | >100 | | |
| Office ambient air, with filter | 9/20/2012 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:57 | 1.1 | 19.9 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:57 | 1.1 | 19.7 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:05 | 0.0 | 21.2 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:13 | 48.4 | 1.1 | 4.8 | 16.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:13 | 48.4 | 1.0 | 5.1 | 21.9 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 9/27/2012 | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | 60s - 70s | none |
| Office ambient air, without filter | | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 3.1 | 19.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 3.1 | 20.0 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:05 | 81.1 | 1.3 | 3.3 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:05 | 81.1 | 15.0 | 1.3 | 16.2 | >100 | | |
| Office ambient air, with filter | 10/2/2012 | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | mid 60s | light rain |
| Office ambient air, without filter | | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:45 | 1.5 | 20.2 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:45 | 1.5 | 20.1 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:00 | 91.4 | 0.5 | 5.6 | 15.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:00 | 91.4 | 0.2 | 4.9 | 21.3 | >100 | | |
| Office ambient air, with filter | 10/18/2012 | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | mid 70s | none |
| Office ambient air, without filter | | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 3.1 | 21.0 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 3.1 | 21.1 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:51 | 59.6 | 0.7 | 3.6 | 15.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:51 | 59.6 | 1.6 | 4.2 | 18.0 | >100 | | |
| Office ambient air, with filter | 10/25/2012 | 13:54 | 0.0 | 20.0 | 0.1 | 0.0 | 0 | 70s | none |
| Office ambient air, without filter | | 13:54 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 19.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 48.8 | 0.2 | 4.0 | 14.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 48.8 | 0.2 | 4.2 | 17.9 | >100 | | |
| Office ambient air, with filter | 10/30/2012 | 14:15 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| Office ambient air, without filter | | 14:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.3 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.3 | 20.4 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:24 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:24 | 0.0 | 27.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:15 | 15.5 | 0.6 | 2.4 | 14.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:15 | 15.5 | 0.4 | 4.0 | 17.7 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 11/8/2012 | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:32 | 2.0 | 20.1 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:32 | 2.0 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:44 | 1.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:44 | 1.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:44 | 83.6 | 0.3 | 2.9 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:44 | 83.6 | 0.5 | 3.6 | 16.0 | >100 | | |
| Office ambient air, with filter | 11/15/2012 | 14:24 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:24 | 0.0 | 22.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.7 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 21.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:53 | 21.9 | 0.3 | 3.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:53 | 21.9 | 0.2 | 3.5 | 16.4 | >100 | | |
| Office ambient air, with filter | 11/20/2012 | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 50s | Trace |
| Office ambient air, without filter | | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:48 | 0.0 | 20.3 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:48 | 0.0 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 79.6 | 0.1 | 3.4 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 79.6 | 0.1 | 3.5 | 17.5 | >100 | | |
| Office ambient air, with filter | 11/29/2012 | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| Office ambient air, without filter | | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:13 | 0.9 | 20.3 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:13 | 0.9 | 20.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 32.5 | 0.4 | 3.2 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 32.5 | 0.3 | 3.2 | 16.1 | >100 | | |
| Office ambient air, with filter | 12/4/2012 | 14:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 20.1 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:47 | 33.1 | 0.9 | 3.5 | 12.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:47 | 33.1 | 0.8 | 3.5 | 14.8 | >100 | | |
| Office ambient air, with filter | 12/13/2012 | 14:41 | 0.0 | 21.2 | 0.0 | 0.1 U | 2 U | 40s | None |
| Office ambient air, without filter | | 14:41 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:27 | 1.1 | 20.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:27 | 1.1 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:38 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:38 | 0.0 | 21.1 | 0.1 | 0.1 U | 2 U | | |
| Sub-slab probe A (warehouse) with filter | | 15:42 | 35.9 | 0.8 | 2.4 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:42 | 35.9 | 0.5 | 3.2 | 15.2 | >100 | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|------------|------------|---|--------------------|---------------------|------------------------------------|---------|--------------------------|---------------------------------|
| Office ambient air, with filter | 12/18/2012 | 12:49 | 0.0 | 21.9 | 0.0 | 0.0 | 1 U | 40s | None |
| Office ambient air, without filter | | 12:59 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.2 | 20.3 | 2.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.2 | 20.2 | 3.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 21.8 | 0.0 | 0.1 U | 2 U | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:02 | 30.4 | 0.3 | 2.9 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:02 | 30.4 | 0.6 | 3.5 | 15.4 | >100 | | |
| 1903 Dryden Road, Valley Asphalt, Parcel 5054 Building 2 (Quonset Hut) | | 12/27/2012 | Property closed from December 21, 2012 to January 6, 2013 | | | | | | |
| Office ambient air, with filter | 1/10/2013 | 12:21 | 0.0 | 20.2 | 0.2 | 0.0 | 0 | 30s | Trace |
| Office ambient air, without filter | | 12:21 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:37 | 0.4 | 20.2 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:37 | 0.4 | 20.3 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 20.4 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:50 | 8.2 | 0.9 | 2.1 | 10.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:50 | 8.2 | 1.2 | 3.2 | 11.5 | >100 | | |
| Office ambient air, with filter | | 1/17/2013 | 12:35 | 0.0 | 21.3 | 0.1 | 0.0 | | |
| Office ambient air, without filter | 12:35 | | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | 14:15 | | 0.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | 14:15 | | 0.4 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | 12:37 | | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | 12:37 | | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | 14:28 | | 20.4 | 0.3 | 3.2 | 11.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | 14:28 | | 20.4 | 0.4 | 3.2 | 12.5 | >100 | | |
| Office ambient air, with filter | 1/24/2013 | | 14:11 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 10s - 20s |
| Office ambient air, without filter | | 14:11 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:50 | 0.0 | 21.1 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:50 | 0.0 | 21.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 16:13 | 7.8 | 1.2 | 2.5 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 16:13 | 7.8 | 0.6 | 3.5 | 10.7 | >100 | | |
| Office ambient air, with filter | | 1/31/2013 | 14:35 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | |
| Office ambient air, without filter | 14:35 | | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | 15:29 | | 0.0 | 20.4 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | 15:29 | | 0.0 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | 14:45 | | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | 14:45 | | 0.0 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | 15:52 | | 7.9 | 0.8 | 3.5 | 9.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | 15:52 | | 7.9 | 0.5 | 3.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 2/7/2013 | | 14:25 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 20s - 50s |
| Office ambient air, without filter | | 14:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:04 | 1.1 | 21.2 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:04 | 1.1 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:30 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:30 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:25 | 23.0 | 1.0 | 3.0 | 8.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:25 | 23.0 | 0.7 | 3.1 | 9.6 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 2/12/2013 | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 14.8 | 0.5 | 3.4 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 14.8 | 1.1 | 3.4 | 9.3 | >100 | | |
| Office ambient air, with filter | 2/21/2013 | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 20s | trace |
| Office ambient air, without filter | | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | | 0.3 | 20.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | | 0.3 | 20.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | | 10.2 | 0.5 | 3.2 | 7.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | | 10.2 | 0.6 | 3.4 | 8.1 | >100 | | |
| Office ambient air, with filter | 2/28/2013 | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | ~1 inch |
| Office ambient air, without filter | | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:25 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:25 | 0.0 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:43 | 6.3 | 0.2 | 3.5 | 8.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:43 | 6.3 | 0.4 | 3.5 | 9.6 | >100 | | |
| Office ambient air, with filter | 3/7/2013 | 13:10 | 0.0 | 22.8 | 0.1 | 0.0 | 0 | 30s | None |
| Office ambient air, without filter | | 13:10 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 0.1 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 0.1 | 20.7 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:25 | 33.7 | 3.1 | 3.5 | 6.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:25 | 33.7 | 0.6 | 3.6 | 8.9 | >100 | | |
| Office ambient air, with filter | 3/14/2013 | 14:04 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | 20s - 40s | None |
| Office ambient air, without filter | | 14:04 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 0.0 | 20.9 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:01 | 12.2 | 5.2 | 3.1 | 5.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:01 | 12.2 | 5.4 | 2.8 | 7.3 | >100 | | |
| Office ambient air, with filter | 3/21/2013 | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 20s - 30s | Trace |
| Office ambient air, without filter | | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:53 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:53 | 0.0 | 21.1 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:16 | 17.8 | 1.3 | 3.5 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:16 | 17.8 | 1.2 | 3.5 | 9.0 | >100 | | |

TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 3/28/2013 | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30 - 40s | None |
| Office ambient air, without filter | | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:10 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:10 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:33 | 5.7 | 6.5 | 1.0 | 7.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:33 | 5.7 | 6.6 | 2.4 | 7.8 | >100 | | |
| Office ambient air, with filter | 4/4/2013 | 13:08 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 30s - 50s | None |
| Office ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:22 | 0.7 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:22 | 0.7 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:04 | 0.1 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:04 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:45 | 20.0 | 4.3 | 2.9 | 6.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:45 | 20.0 | 4.3 | 3.3 | 7.7 | >100 | | |
| Office ambient air, with filter | 4/9/2013 | 12:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| Office ambient air, without filter | | 12:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.8 | 19.8 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.8 | 19.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:39 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:39 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:36 | 14.1 | 0.5 | 4.0 | 8.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:35 | 14.1 | 0.7 | 4.1 | 9.2 | >100 | | |
| Office ambient air, with filter | 4/18/2013 | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | 60s - 80s | None |
| Office ambient air, without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 1.0 | 20.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 1.0 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 21.8 | 0.4 | 5.0 | 9.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 21.8 | 0.7 | 5.0 | 9.9 | >100 | | |
| Office ambient air, with filter | 4/23/2013 | 12:45 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 50s - 60s | None |
| Office ambient air, without filter | | 12:45 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.0 | 20.3 | 1.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.0 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:53 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:53 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:10 | 26.4 | 0.9 | 4.7 | 7.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:10 | 26.4 | 0.8 | 4.9 | 8.8 | >100 | | |
| Office ambient air, with filter | 4/30/2013 | 14:10 | 0.0 | 19.1 | 0.0 | 0.0 | 0 | 40s - 70s | None |
| Office ambient air, without filter | | 14:10 | 0.0 | 19.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 0.2 | 20.2 | 1.9 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 0.2 | 20.5 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:09 | 31.8 | 0.9 | 5.0 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:09 | 31.8 | 0.7 | 5.0 | 9.7 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 5/9/2013 | 14:06 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | 50s - 70s | None |
| Office ambient air, without filter | | 14:06 | 0.0 | 19.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.0 | 18.9 | 1.9 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.0 | 19.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:03 | 0.0 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:03 | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:59 | 19.9 | 0.9 | 5.3 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:59 | 19.9 | 0.7 | 5.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 5/16/2013 | 13:03 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | 40s - 80s | ~1 inch |
| Office ambient air, without filter | | 13:03 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:41 | 0.5 | 20.0 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:41 | 0.5 | 19.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:02 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:02 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:05 | 25.7 | 0.5 | 6.1 | 10.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:05 | 25.7 | 0.5 | 6.1 | 12.5 | >100 | | |
| Office ambient air, with filter | 5/21/2013 | 14:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | 40s - 80s | ~0.2 inch |
| Office ambient air, without filter | | 14:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:35 | 0.0 | 19.3 | 2.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:35 | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:55 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:55 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:41 | 40.7 | 1.0 | 6.1 | 10.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:41 | 40.7 | 1.0 | 6.2 | 12.8 | >100 | | |
| Office ambient air, with filter | 5/30/2013 | 12:56 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | 50s - 80s | ~1.3 inch |
| Office ambient air, without filter | | 12:56 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:40 | 5.7 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:40 | 5.7 | 19.4 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:05 | 36.7 | 1.0 | 6.4 | 11.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:05 | 36.7 | 1.0 | 6.3 | 13.5 | >100 | | |
| Office ambient air, with filter | 6/6/2013 | 14:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s | 0.25 inch |
| Office ambient air, without filter | | 14:20 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:15 | 2.8 | 20.3 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:15 | 2.8 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:19 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:19 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:43 | 81.9 | 3.6 | 5.7 | 10.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:43 | 81.9 | 3.7 | 5.8 | 11.8 | >100 | | |
| Office ambient air, with filter | 6/13/2013 | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 60s - 80s | 1.5 inches |
| Office ambient air, without filter | | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | -- | 4.0 | 19.8 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | -- | 4.0 | 19.8 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:45 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:45 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | -- | 49.1 | 1.3 | 5.2 | 12.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | -- | 49.1 | 1.2 | 6.4 | 14.7 | >100 | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 6/20/2013 | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| Office ambient air, without filter | | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | -- | 2.1 | 18.6 | 4.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | -- | 2.1 | 19.9 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | -- | 76.3 | 1.4 | 6.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | -- | 76.3 | 1.3 | 6.5 | 18.1 | >100 | | |
| Office ambient air, with filter | 6/27/2013 | 13:45 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 70s - 80s | Trace |
| Office ambient air, without filter | | 13:45 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:14 | 0.0 | 19.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:14 | 0.0 | 19.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:35 | 69.2 | 2.4 | 6.2 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:35 | 69.2 | 2.5 | 6.1 | 14.9 | >100 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

^[3] - Value was rejected (R) due to suspected transcription error or meter malfunction.

^[4] - Anomalous Value. Suspected instrument carry-over or transcription error.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide


CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

 - Unfiltered value is lower than filtered value, indicating either a transcription error, or issue with sampling or data quality.

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------|--------------|-----------------------|------------------------|------------------------|--------------------|-----------------------------|------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0 | ND(1) ¹ | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1 | 3.3 | 0.8 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21 | 0.1 | 0 | 0 | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3 | 0 | 0 | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0 | 0 | 0 | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3 | 5.1 | 1.1 | 24 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3 | 0.5 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0 | 0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 | 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | -- | 0 | low 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0.0 | 0 | 80 - low 90s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | 39 | | | |
| 5173 / 1 / C / Storage area without filter | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | 57 | | | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|--|--|
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | |
| 5173 / 1 / C / Storage area without filter | | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | 41 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | 52 | | | |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | 60s - 70s | none | |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | mid 60s | light rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | 40 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | 56 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | mid 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|-------------|----------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 70s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | 31 | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | 41 | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | 34 | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | 43 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | 27 | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | 33 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | 27 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 50s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | 9 | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | 16 | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | |
| 5173 / 1 / C / Storage area without filter | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | |
| 5173 / 1 / C / Storage area without filter | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|-------------|----------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | 10s - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | 15 | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | 22 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | 17 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | 16 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | 21 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | 18 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | 19 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 20s - 50s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 20s | trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:03 | | 0.0 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | 14:31 | | 0.6 | 14.7 | 4.0 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | 14:31 | | 0.6 | 14.7 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:21 | | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:21 | | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:15 | | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:15 | | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:36 | | 63.0 | 2.3 | 3.2 | 0.6 | 13 | | |
| 5173 / 1 / C / Storage area without filter | 14:36 | | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | 8 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|---|
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 20s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | 13 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | 20s - 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 50s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | 8 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:23 | | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 14:19 | | 1.1 | 15.5 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 14:19 | | 1.1 | 15.6 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 14:26 | | 1.3 | 6.5 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | 14:26 | | 1.3 | 10.0 | 6.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:31 | | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | 14:31 | | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | 60s - 80s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | 13 | | |
| 5173 / 1 / C / Storage area without filter | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | 50s - 60s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 14:09 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 0.3 | 16.1 | 3.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 0.3 | 15.9 | 4.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:52 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:52 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 0.2 | 6.9 | 10.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 0.2 | 6.9 | 10.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:00 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:00 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:04 | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 15:04 | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 40s - 70s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | 17 | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 50s - 70s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | 18 | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 40s - 80s | ~1 inch |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | 15 | | |
| 5173 / 1 / C / Storage area without filter | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | 22 | | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|--|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 40s - 80s | ~0.2 inch |
| 5173 / 1 / A / Office area ambient air without filter | | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:37 | 0.0 | 18.8 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:37 | 0.0 | 18.7 | 2.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.0 | 19.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.9 | 6.7 | 12.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.9 | 6.8 | 12.6 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:44 | 79.5 | 3.1 | 7.0 | 0.6 | 13 | | |
| 5173 / 1 / C / Storage area without filter | | 15:44 | 79.5 | 3.1 | 6.6 | 1.0 | 20 | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 50s - 80s | ~1.3 inch |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | 25 | | |
| 5173 / 1 / A / Office area ambient air with filter | | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area ambient air without filter | 13:51 | | 0.1 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | 15:28 | | 1.8 | 19.2 | 2.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | 15:28 | | 1.8 | 19.0 | 2.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | 15:35 | | 126.8 | 4.3 | 6.5 | 0.8 | 16 | | |
| 5173 / 1 / C / Storage area without filter | 15:35 | | 126.8 | 4.4 | 6.8 | 1.1 | 23 | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 80s |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | -- | 86.4 | 1.9 | 7.6 | 1.4 | 25 | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | -- | 235.1 | 2.4 | 7.4 | 1.8 | 37 | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID Time</i> | <i>O₂ (ppm)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|---------------------|--------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 70s - 80s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 | | |
| 5173 / 1 / C / Storage area without filter | | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 | | |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|------------------|---------------------------------|--|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | |
| GP-2 (16') without filter | | -- | -- | 2.0 | 11.6 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 4.6 | 10.0 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | |

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|--|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/30/2013 | 14:45 | 0.0 | 16.8 | 3.4 | 0.0 | 0.0 | 40s - 70s | None |
| GP-2 (12') with filter | | 14:45 | 0.0 | 17.0 | 0.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:50 | 0.0 | 16.3 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:50 | 0.0 | 16.7 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/9/2013 | 14:41 | 0.0 | 14.8 | 3.3 | 0.0 | 0.0 | 50s - 70s | None |
| GP-2 (12') with filter | | 14:41 | 0.0 | 14.9 | 0.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:45 | 0.0 | 14.1 | 3.8 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:45 | 0.0 | 14.5 | 1.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/16/2013 | 13:25 | 0.0 | 15.3 | 4.1 | 0.0 | 0.0 | 40s - 80s | ~1 inch |
| GP-2 (12') with filter | | 13:25 | 0.0 | 15.3 | 4.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/21/2013 | 15:29 | 0.0 | 13.7 | 3.8 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch |
| GP-2 (12') with filter | | 15:29 | 0.0 | 13.8 | 3.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:32 | 0.0 | 12.7 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:32 | 0.0 | 12.8 | 3.0 | 0.0 | 0.0 | | |

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|
| GP-2 (12') without filter | 5/30/2013 | 13:20 | 0.0 | 15.8 | 3.8 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch |
| GP-2 (12') with filter | | 13:20 | 0.0 | 15.8 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:25 | 0.0 | 13.1 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:25 | 0.0 | 13.0 | 5.3 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/6/2013 | 14:50 | 0.0 | 16.3 | 4.6 | 0.0 | 0.0 | 60s | 0.25 inch |
| GP-2 (12') with filter | | 14:50 | 0.0 | 16.2 | 4.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:00 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:00 | 0.0 | 14.7 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/13/2013 | 16:05 | 0.0 | 8.2 | 5.4 | 0.0 | 0.0 | 60s - 80s | 1.55 inch |
| GP-2 (12') with filter | | 16:05 | 0.0 | 7.5 | 5.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 16:10 | -- | 5.2 | 6.6 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 16:10 | -- | 5.1 | 6.4 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/20/2013 | -- | 0.0 | 8.0 | 6.1 | 0.0 | 0.0 | 50s - 80s | None |
| GP-2 (12') with filter | | -- | 0.0 | 8.3 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | -- | -- | 5.3 | 6.5 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | -- | -- | 5.6 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/27/2013 | 14:06 | 0.6 | 15.9 | 1.5 | 0.0 | 0.0 | 70s - 80s | Trace |
| GP-2 (12') with filter | | 14:06 | 0.6 | 16.3 | 0.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:11 | 43.6 | 3.7 | 2.6 | 1.6 | 30.0 | | |
| GP-2 (16') with filter | | 14:11 | 43.6 | 2.1 | 3.6 | 1.0 | 20.0 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).



**CONESTOGA-ROVERS
& ASSOCIATES**

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August 9, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: July 1 through 31, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of July 1 through 31, 2013.

The next Progress Report for the month of August 2013 will be submitted on or before September 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

RI/FS ASAOC Developments

On July 1, 2013, CH2M Hill requested clarification from CRA regarding collection of samples at BH47-13 in Area 3 under the OU1 Phase 1A Work Plan. On July 2, 2013, CRA provided USEPA and CH2M Hill with clarification regarding the collection of groundwater samples from Area 3 boreholes, and Sudan IV dye test that was not completed on a soil sample collected from BH47-13 (4 - 6 feet below ground surface).



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On June 20, 2013, CH2M Hill requested a written summary of a conversation held between the tenant at Parcel 5171 (Bruce Mangeot of B&G Trucking) and the CRA field tech Greg Lewis, due to concerns regarding a statement involving suing USEPA. On July 11, 2013, CRA provided a written summary of Greg Lewis' June 19, 2013 conversation with Bruce Mangeot.

On July 10, 2013, CRA completed OU1 Phase 1A Groundwater and Data Gap investigative borehole and groundwater sampling at the Site, in accordance with the USEPA-approved work plan. On July 22 to 23, 2013, CRA completed wetland delineation and assessment of the Large and Small Pond areas, in accordance with the USEPA-approved work plan.

Removal Action ASAOC Developments

On July 1, 2013, CRA provided USEPA and the USEPA START contractor with a figure showing revised locations of extraction points and communication ports for Building 8, 1951 Dryden Road, occupied by B&G Trucking. On July 2, 2013, USEPA provided written approval of the revised locations for Building 8.

On July 9, 2013, CRA provided USEPA and the USEPA START contractor with a figure showing revised locations of extraction points for Building 24, 2215 East River Road, occupied by Globe Equipment.

On July 11, 18, and 25, 2013, USEPA, Ohio EPA, the USEPA START contractor, and the Respondents participated in conference calls regarding the status of vapor intrusion (VI) mitigation activities.

In July 2013, Environmental Doctor, the Ohio licensed radon subcontractor, installed sub-slab depressurization systems in Building 8, located at 1951 Dryden Road, on Parcel 5171, occupied by B&G Trucking, and Building 24, located at 2215 Dryden Road, on Parcel 3207, occupied by Globe Equipment. The compliance port vacuum readings measured in July and on August 5 did not indicate successful building sub-slab depressurization at some of the compliance points. The Respondents, CRA, and Environmental Doctor are evaluating options to improve system operation.

The Respondents completed weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from Valley Asphalt Parcel 5054 Building 2 at 1903 Dryden Road, and SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road in July. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in Tables 1 and 2, respectively. Table 3 presents field screening values measured by the Respondents in USEPA soil gas probe GP-2. Table 4 presents field screening



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values for soil gas probes located on the western side of Dryden Road, on the Site, across from GP-2.

SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As discussed with USEPA previously, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation has had, and will have, on their business. The Respondents will continue to work with USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.



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& ASSOCIATES**

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Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley

VC/cb/8

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Madelyn Smith, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 1/10/2012 | -- | 0.2 | 21.4 | 0.1 | 0.0 | NM | | |
| Sub-slab probe B (office) without filter | | -- | 1.2 | 21.2 | 0.1 | 0.0 | NM | | |
| Warehouse ambient air, without filter | | -- | 0.5 | 22.8 | 0.1 | 0.0 | NM | | |
| Sub-slab probe A (warehouse) without filter | | -- | 50.1 | 4.6 | 3.9 | 7.6 | NM | | |
| Warehouse ambient air, without filter | 1/19/2012 | 10:40 | 0.1 | 24.1 | 0.0 | 0.0 | ND(1) ^[1] | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 72.4 | 5.7 | 3.1 | 5.2 | >100 | | |
| Sub-slab probe B (office) without filter | | 11:22 | 6.2 | 23.2 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | 1/24/2012 | 11:05 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:14 | 52.7 | 5.7 | 3.1 | 5.1 | >100 | | |
| Office ambient air, without filter | | 10:50 | 0.0 | 23.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office), without filter | | 10:57 | 2.5 | 21.7 | 0.1 | 0.0 | 0 | | |
| Office ambient air, without filter | 1/31/2012 | 10:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:12 | 5.8 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:30 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:17 | 72.4 | 1.9 | 3.8 | 6.9 | >100 | | |
| Office ambient air, without filter | 2/7/2012 | 10:14 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 5.9 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:24 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 67.2 | 6.3 | 3.0 | 6.5 | >100 | | |
| Office ambient air, without filter | 2/15/2012 | 11:00 | 0.1 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:02 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:52 | 52.2 | 9.8 | 0.6 | 3.7 | 73 | | |
| Sub-slab probe A (warehouse) without filter | | 13:49 | 52.2 | 4.8 | 3.2 | 6.5 | R ^[3] | | |
| Office ambient air, without filter | 2/23/2012 | 14:00 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 2.3 | 20.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 2.3 | 20.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 19.5 | 5.5 | 0.6 | 5.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 19.5 | 1.6 | 4.2 | 8.2 | >100 | | |
| Office ambient air, without filter | 3/1/2012 | 12:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:43 | 5.2 | 22.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:44 | 5.2 | 22.0 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:21 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:55 | 71.9 | 6.0 | 1.2 | 5.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:58 | 71.9 | 15.9 | 1.7 | 5.6 | 90 ^[4] | | |
| Office ambient air, without filter | 3/8/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 1.4 | 20.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:45 | 20.2 | 1.3 | 2.4 | 4.8 | 96 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 3/13/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 7:51 | 50.0 | 1.8 | 3.1 | 6.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 7:51 | 50.0 | 1.8 | 5.1 | 8.8 | >100 | | |
| Office ambient air, without filter | 3/22/2012 | 12:15 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:42 | 1.1 | 19.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:40 | 1.1 | 19.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:38 | 43.8 | 1.3 | 4.5 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:50 | 43.8 | 1.2 | 5.7 | 10.4 | >100 | | |
| Office ambient air, without filter | 3/27/2012 | 10:40 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:52 | 2.2 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 2.2 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:43 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:59 | 29.7 | 2.7 | 4.2 | 9.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:01 | 29.7 | 1.7 | 6.2 | 12.0 | >100 | | |
| Office ambient air, without filter | 4/3/2012 | 12:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:06 | 4.4 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:08 | 4.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:59 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 45.1 | 1.2 | 2.9 | 11.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:16 | 45.1 | 1.0 | 5.7 | 13.3 | >100 | | |
| Office ambient air, without filter | 4/10/2012 | 11:30 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 3.9 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:48 | 3.9 | 20.6 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:40 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:58 | 74.8 | 1.2 | 3.5 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:01 | 74.8 | 1.5 | 5.4 | 15.1 | >100 | | |
| Office ambient air, without filter | 4/17/2012 | 10:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:09 | 3.0 | 20.7 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 3.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:35 | 34.6 | 1.0 | 4.2 | 11.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:42 | 34.6 | 0.6 | 5.5 | 14.3 | >100 | | |
| Office ambient air, without filter | 4/26/2012 | 12:20 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:36 | 4.1 | 20.0 | 1.6 | 0.3 ^[4] | 10 ^[4] | | |
| Sub-slab probe B (office) without filter | | 12:38 | 4.1 | 20.5 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | | 11:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:14 | 20.5 | 0.7 | 3.7 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:17 | 20.5 | 15.9 | 1.5 | 3.2 ^[4] | 94 ^[4] | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, without filter | 5/3/2012 | 9:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:08 | 1.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 1.6 | 20.2 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:14 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:24 | 24.4 | 19.1 | 0.2 | 1.3 | 28 | | |
| Sub-slab probe A (warehouse) without filter | | 11:25 | 24.4 | 17.1 | 1.1 | 2.2 | 57 | | |
| Office ambient air, without filter | 5/10/2012 | 14:27 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:36 | 1.5 | 21.0 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:38 | 1.5 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:34 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 34.9 | 1.7 | 2.9 | 14 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 34.9 | 0.7 | 5.8 | 16.7 | >100 | | |
| Office ambient air, without filter | 5/15/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:15 | 1.8 | 18.5 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:15 | 1.8 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:51 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:59 | 22.2 | 1.3 | 0.8 | 13.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:59 | 22.2 | 2.0 | 5.0 | 14.5 | >100 | | |
| Office ambient air, without filter | 5/24/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:35 | 2.2 | 20.3 | 0.2 | 0.2 | 4 | | |
| Sub-slab probe B (office) without filter | | 14:41 | 2.2 | 20.3 | 0.3 | 0.3 | 4 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:15 | 19.7 | 1.2 | 4.3 | 14.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:22 | 19.7 | 0.6 | 3.6 | 18.6 | >100 | | |
| Office ambient air, without filter | 5/31/2012 | 9:40 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:53 | 2.8 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:06 | 2.8 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:13 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:26 | 46.4 | 1.1 | 5.1 | 15.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:50 | 46.4 | 1.5 | 6.5 | 17.9 | >100 | | |
| Office ambient air, without filter | 6/7/2012 | 9:22 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:30 | 4.6 | 20.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:41 | 4.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:49 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:57 | 82.3 | 0.4 | 5.7 | 16.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:04 | 82.3 | 1.2 | 6.3 | 19.8 | >100 | | |
| Office ambient air, without filter | 6/14/2012 | 9:55 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:04 | 11.5 | 19.9 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:12 | 11.5 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:19 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:32 | 35.3 | 8.2 | 3.5 | 11.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:40 | 35.3 | 0.9 | 6.4 | 20.3 | >100 | | |

TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| Office ambient air, without filter | 6/19/2012 | 9:48 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:05 | 3.7 | 19.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:07 | 3.7 | 19.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:37 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:08 | 38.1 | 1.4 | 5.7 | 16.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:09 | 38.1 | 1.0 | 6.5 | 22.3 | >100 | | |
| Office ambient air, without filter | 6/28/2012 | 9:13 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:29 | 0.8 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:29 | 0.8 | 19.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:35 | 0.0 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:49 | 59.1 | 17.8 | 0.4 | 3 | 66 | | |
| Sub-slab probe A (warehouse) without filter | | 9:49 | 59.1 | 12.4 | 2.9 | 9 | >100 | | |
| Office ambient air, without filter | 7/3/2012 | 10:35 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:53 | 2.7 | 18.2 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:55 | 2.7 | 18.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:44 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:00 | 54.1 | 1.2 | 6.6 | 20.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:02 | 54.1 | 1.1 | 4.1 | 17 | >100 | | |
| Office ambient air, without filter | 7/11/2012 | 14:02 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 10.2 | 18.0 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 10.2 | 18.1 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:25 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:33 | 60.3 | 1.4 | 7.1 | 19.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:33 | 60.3 | 1.3 | 4.0 | 15.2 | >100 | | |
| Office ambient air, without filter | 7/19/2012 | 14:20 | 0.0 | 20.7 | 0.0 | 0.1 ^[4] | 1 ^[4] | | |
| Sub-slab probe B (office) with filter | | 14:27 | 25.5 | 18.9 | 2.7 | 0.8 ^[4] | 7 ^[4] | | |
| Sub-slab probe B (office) without filter | | 14:27 | 25.5 | 19.0 | 0.8 | 0.0 | 1 | | |
| Warehouse ambient air, without filter | | 14:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:13 | 24.2 | 1.3 | 7.4 | 17.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:13 | 24.2 | 1.3 | 7.1 | 22.7 | >100 | | |
| Office ambient air, without filter | 7/26/2012 | 9:08 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 0.3 | 18.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:20 | 0.3 | 18.5 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:25 | 0.0 | 20.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:33 | 1.1 | 3.3 | 4.9 | 15.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:33 | 1.1 | 0.6 | 7.1 | 24.7 | >100 | | |
| Office ambient air, with filter | 8/2/2012 | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | 90s | none |
| Office ambient air, without filter | | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 8:59 | 63.2 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 8:59 | 63.2 | 19.4 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:14 | 115.9 | 6.6 | 0.8 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:14 | 115.9 | 6.2 | 5.2 | 15.7 | >100 | | |
| Office ambient air, with filter | 8/7/2012 | 10:29 | -- | -- | -- | -- | 0 | Low 90s | none |
| Office ambient air, without filter | | 10:29 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:32 | -- | -- | -- | -- | 0 | | |
| Sub-slab probe B (office) without filter | | 10:32 | 7.4 | 18.6 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 10:40 | -- | -- | -- | -- | 0 | | |
| Warehouse ambient air, without filter | | 10:40 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:45 | -- | -- | -- | -- | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:45 | 53.7 | 5.2 | 5.2 | 24.6 | >100 | | |

TABLE 1

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|---|
| Office ambient air, with filter | 8/16/2012 | 12:53 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| Office ambient air, without filter | | 12:53 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:02 | 7.7 | 19.3 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:02 | 7.7 | 19.2 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:57 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:57 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 42.5 | 0.3 | 5.9 | 18.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:15 | 42.5 | 1.6 | 5.9 | 22.6 | >100 | | |
| Office ambient air, with filter | 8/21/2012 | 15:00 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | 80s | none |
| Office ambient air, without filter | | 15:00 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:16 | 4.3 | 19.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:16 | 4.3 | 20.3 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:40 | 46.7 | 15.4 | 0.6 | 18.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:40 | 46.7 | 14.7 | 1.7 | 23.9 | >100 | | |
| Office ambient air, without filter | 8/30/2012 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 80s | none |
| Sub-slab probe B (office) with filter | | 15:19 | 0.0 | 19.3 | 1.3 | 0.2 ^[4] | 3 ^[4] | | |
| Sub-slab probe B (office) without filter | | 15:19 | 0.0 | 19.3 | 1.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:50 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 62.7 | 0.7 | 6.4 | 16.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 62.7 | 0.4 | 6.0 | 25.1 | >100 | | |
| Office ambient air, with filter | 9/6/2012 | | 0.0 | 19.8 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 |
| Office ambient air, without filter | | | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:24 | 6.2 | 18.4 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:24 | 6.2 | 18.8 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 108.4 | 0.9 | 3.7 | 17.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 108.4 | 0.4 | 5.8 | 24.6 | >100 | | |
| Office ambient air, with filter | 9/13/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 2.3 | 19.5 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:47 | 2.3 | 19.2 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:55 | 35.2 | 0.6 | 4.6 | 19.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:55 | 35.2 | 0.7 | 5.6 | 22.9 | >100 | | |
| Office ambient air, with filter | 9/20/2012 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:57 | 1.1 | 19.9 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:57 | 1.1 | 19.7 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:05 | 0.0 | 21.2 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:13 | 48.4 | 1.1 | 4.8 | 16.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:13 | 48.4 | 1.0 | 5.1 | 21.9 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 9/27/2012 | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | 60s - 70s | none |
| Office ambient air, without filter | | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 3.1 | 19.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 3.1 | 20.0 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:05 | 81.1 | 1.3 | 3.3 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:05 | 81.1 | 15.0 | 1.3 | 16.2 | >100 | | |
| Office ambient air, with filter | 10/2/2012 | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | mid 60s | light rain |
| Office ambient air, without filter | | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:45 | 1.5 | 20.2 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:45 | 1.5 | 20.1 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:00 | 91.4 | 0.5 | 5.6 | 15.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:00 | 91.4 | 0.2 | 4.9 | 21.3 | >100 | | |
| Office ambient air, with filter | 10/18/2012 | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | mid 70s | none |
| Office ambient air, without filter | | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 3.1 | 21.0 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 3.1 | 21.1 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:51 | 59.6 | 0.7 | 3.6 | 15.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:51 | 59.6 | 1.6 | 4.2 | 18.0 | >100 | | |
| Office ambient air, with filter | 10/25/2012 | 13:54 | 0.0 | 20.0 | 0.1 | 0.0 | 0 | 70s | none |
| Office ambient air, without filter | | 13:54 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 19.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 48.8 | 0.2 | 4.0 | 14.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 48.8 | 0.2 | 4.2 | 17.9 | >100 | | |
| Office ambient air, with filter | 10/30/2012 | 14:15 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| Office ambient air, without filter | | 14:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.3 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.3 | 20.4 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:24 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:24 | 0.0 | 27.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:15 | 15.5 | 0.6 | 2.4 | 14.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:15 | 15.5 | 0.4 | 4.0 | 17.7 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 11/8/2012 | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:32 | 2.0 | 20.1 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:32 | 2.0 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:44 | 1.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:44 | 1.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:44 | 83.6 | 0.3 | 2.9 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:44 | 83.6 | 0.5 | 3.6 | 16.0 | >100 | | |
| Office ambient air, with filter | 11/15/2012 | 14:24 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:24 | 0.0 | 22.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.7 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 21.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:53 | 21.9 | 0.3 | 3.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:53 | 21.9 | 0.2 | 3.5 | 16.4 | >100 | | |
| Office ambient air, with filter | 11/20/2012 | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 50s | Trace |
| Office ambient air, without filter | | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:48 | 0.0 | 20.3 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:48 | 0.0 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 79.6 | 0.1 | 3.4 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 79.6 | 0.1 | 3.5 | 17.5 | >100 | | |
| Office ambient air, with filter | 11/29/2012 | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| Office ambient air, without filter | | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:13 | 0.9 | 20.3 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:13 | 0.9 | 20.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 32.5 | 0.4 | 3.2 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 32.5 | 0.3 | 3.2 | 16.1 | >100 | | |
| Office ambient air, with filter | 12/4/2012 | 14:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 20.1 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:47 | 33.1 | 0.9 | 3.5 | 12.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:47 | 33.1 | 0.8 | 3.5 | 14.8 | >100 | | |
| Office ambient air, with filter | 12/13/2012 | 14:41 | 0.0 | 21.2 | 0.0 | 0.1 U | 2 U | 40s | None |
| Office ambient air, without filter | | 14:41 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:27 | 1.1 | 20.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:27 | 1.1 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:38 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:38 | 0.0 | 21.1 | 0.1 | 0.1 U | 2 U | | |
| Sub-slab probe A (warehouse) with filter | | 15:42 | 35.9 | 0.8 | 2.4 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:42 | 35.9 | 0.5 | 3.2 | 15.2 | >100 | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|------------|------------|---|--------------------|---------------------|------------------------------------|---------|--------------------------------|---------------------------------------|
| Office ambient air, with filter | 12/18/2012 | 12:49 | 0.0 | 21.9 | 0.0 | 0.0 | 1 U | 40s | None |
| Office ambient air, without filter | | 12:59 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.2 | 20.3 | 2.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.2 | 20.2 | 3.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 21.8 | 0.0 | 0.1 U | 2 U | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:02 | 30.4 | 0.3 | 2.9 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:02 | 30.4 | 0.6 | 3.5 | 15.4 | >100 | | |
| 1903 Dryden Road, Valley Asphalt, Parcel 5054 Building 2 (Quonset Hut) | | 12/27/2012 | Property closed from December 21, 2012 to January 6, 2013 | | | | | | |
| Office ambient air, with filter | 1/10/2013 | 12:21 | 0.0 | 20.2 | 0.2 | 0.0 | 0 | 30s | Trace |
| Office ambient air, without filter | | 12:21 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:37 | 0.4 | 20.2 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:37 | 0.4 | 20.3 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 20.4 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:50 | 8.2 | 0.9 | 2.1 | 10.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:50 | 8.2 | 1.2 | 3.2 | 11.5 | >100 | | |
| Office ambient air, with filter | | 1/17/2013 | 12:35 | 0.0 | 21.3 | 0.1 | 0.0 | | |
| Office ambient air, without filter | 12:35 | | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | 14:15 | | 0.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | 14:15 | | 0.4 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | 12:37 | | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | 12:37 | | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | 14:28 | | 20.4 | 0.3 | 3.2 | 11.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | 14:28 | | 20.4 | 0.4 | 3.2 | 12.5 | >100 | | |
| Office ambient air, with filter | 1/24/2013 | | 14:11 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 10s - 20s |
| Office ambient air, without filter | | 14:11 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:50 | 0.0 | 21.1 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:50 | 0.0 | 21.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 16:13 | 7.8 | 1.2 | 2.5 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 16:13 | 7.8 | 0.6 | 3.5 | 10.7 | >100 | | |
| Office ambient air, with filter | | 1/31/2013 | 14:35 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | |
| Office ambient air, without filter | 14:35 | | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | 15:29 | | 0.0 | 20.4 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | 15:29 | | 0.0 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | 14:45 | | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | 14:45 | | 0.0 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | 15:52 | | 7.9 | 0.8 | 3.5 | 9.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | 15:52 | | 7.9 | 0.5 | 3.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 2/7/2013 | | 14:25 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 20s - 50s |
| Office ambient air, without filter | | 14:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:04 | 1.1 | 21.2 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:04 | 1.1 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:30 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:30 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:25 | 23.0 | 1.0 | 3.0 | 8.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:25 | 23.0 | 0.7 | 3.1 | 9.6 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 2/12/2013 | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 14.8 | 0.5 | 3.4 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 14.8 | 1.1 | 3.4 | 9.3 | >100 | | |
| Office ambient air, with filter | 2/21/2013 | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 20s | trace |
| Office ambient air, without filter | | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | | 0.3 | 20.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | | 0.3 | 20.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | | 10.2 | 0.5 | 3.2 | 7.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | | 10.2 | 0.6 | 3.4 | 8.1 | >100 | | |
| Office ambient air, with filter | 2/28/2013 | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | ~1 inch |
| Office ambient air, without filter | | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:25 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:25 | 0.0 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:43 | 6.3 | 0.2 | 3.5 | 8.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:43 | 6.3 | 0.4 | 3.5 | 9.6 | >100 | | |
| Office ambient air, with filter | 3/7/2013 | 13:10 | 0.0 | 22.8 | 0.1 | 0.0 | 0 | 30s | None |
| Office ambient air, without filter | | 13:10 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 0.1 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 0.1 | 20.7 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:25 | 33.7 | 3.1 | 3.5 | 6.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:25 | 33.7 | 0.6 | 3.6 | 8.9 | >100 | | |
| Office ambient air, with filter | 3/14/2013 | 14:04 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | 20s - 40s | None |
| Office ambient air, without filter | | 14:04 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 0.0 | 20.9 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:01 | 12.2 | 5.2 | 3.1 | 5.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:01 | 12.2 | 5.4 | 2.8 | 7.3 | >100 | | |
| Office ambient air, with filter | 3/21/2013 | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 20s - 30s | Trace |
| Office ambient air, without filter | | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:53 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:53 | 0.0 | 21.1 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:16 | 17.8 | 1.3 | 3.5 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:16 | 17.8 | 1.2 | 3.5 | 9.0 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 3/28/2013 | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30 - 40s | None |
| Office ambient air, without filter | | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:10 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:10 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:33 | 5.7 | 6.5 | 1.0 | 7.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:33 | 5.7 | 6.6 | 2.4 | 7.8 | >100 | | |
| Office ambient air, with filter | 4/4/2013 | 13:08 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 30s - 50s | None |
| Office ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:22 | 0.7 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:22 | 0.7 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:04 | 0.1 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:04 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:45 | 20.0 | 4.3 | 2.9 | 6.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:45 | 20.0 | 4.3 | 3.3 | 7.7 | >100 | | |
| Office ambient air, with filter | 4/9/2013 | 12:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| Office ambient air, without filter | | 12:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.8 | 19.8 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.8 | 19.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:39 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:39 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:36 | 14.1 | 0.5 | 4.0 | 8.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:35 | 14.1 | 0.7 | 4.1 | 9.2 | >100 | | |
| Office ambient air, with filter | 4/18/2013 | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | 60s - 80s | None |
| Office ambient air, without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 1.0 | 20.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 1.0 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 21.8 | 0.4 | 5.0 | 9.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 21.8 | 0.7 | 5.0 | 9.9 | >100 | | |
| Office ambient air, with filter | 4/23/2013 | 12:45 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 50s - 60s | None |
| Office ambient air, without filter | | 12:45 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.0 | 20.3 | 1.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.0 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:53 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:53 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:10 | 26.4 | 0.9 | 4.7 | 7.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:10 | 26.4 | 0.8 | 4.9 | 8.8 | >100 | | |
| Office ambient air, with filter | 4/30/2013 | 14:10 | 0.0 | 19.1 | 0.0 | 0.0 | 0 | 40s - 70s | None |
| Office ambient air, without filter | | 14:10 | 0.0 | 19.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 0.2 | 20.2 | 1.9 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 0.2 | 20.5 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:09 | 31.8 | 0.9 | 5.0 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:09 | 31.8 | 0.7 | 5.0 | 9.7 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 5/9/2013 | 14:06 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | 50s - 70s | None |
| Office ambient air, without filter | | 14:06 | 0.0 | 19.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.0 | 18.9 | 1.9 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.0 | 19.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:03 | 0.0 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:03 | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:59 | 19.9 | 0.9 | 5.3 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:59 | 19.9 | 0.7 | 5.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 5/16/2013 | 13:03 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | 40s - 80s | ~1 inch |
| Office ambient air, without filter | | 13:03 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:41 | 0.5 | 20.0 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:41 | 0.5 | 19.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:02 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:02 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:05 | 25.7 | 0.5 | 6.1 | 10.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:05 | 25.7 | 0.5 | 6.1 | 12.5 | >100 | | |
| Office ambient air, with filter | 5/21/2013 | 14:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | 40s - 80s | ~0.2 inch |
| Office ambient air, without filter | | 14:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:35 | 0.0 | 19.3 | 2.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:35 | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:55 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:55 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:41 | 40.7 | 1.0 | 6.1 | 10.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:41 | 40.7 | 1.0 | 6.2 | 12.8 | >100 | | |
| Office ambient air, with filter | 5/30/2013 | 12:56 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | 50s - 80s | ~1.3 inch |
| Office ambient air, without filter | | 12:56 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:40 | 5.7 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:40 | 5.7 | 19.4 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:05 | 36.7 | 1.0 | 6.4 | 11.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:05 | 36.7 | 1.0 | 6.3 | 13.5 | >100 | | |
| Office ambient air, with filter | 6/6/2013 | 14:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s | 0.25 inch |
| Office ambient air, without filter | | 14:20 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:15 | 2.8 | 20.3 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:15 | 2.8 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:19 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:19 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:43 | 81.9 | 3.6 | 5.7 | 10.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:43 | 81.9 | 3.7 | 5.8 | 11.8 | >100 | | |
| Office ambient air, with filter | 6/13/2013 | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 60s - 80s | 1.5 inches |
| Office ambient air, without filter | | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | -- | 4.0 | 19.8 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | -- | 4.0 | 19.8 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:45 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:45 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | -- | 49.1 | 1.3 | 5.2 | 12.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | -- | 49.1 | 1.2 | 6.4 | 14.7 | >100 | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|---|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 6/20/2013 | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| Office ambient air, without filter | | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | -- | 2.1 | 18.6 | 4.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | -- | 2.1 | 19.9 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | -- | 76.3 | 1.4 | 6.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | -- | 76.3 | 1.3 | 6.5 | 18.1 | >100 | | |
| Office ambient air, with filter | 6/27/2013 | 13:45 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 70s - 80s | Trace |
| Office ambient air, without filter | | 13:45 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:14 | 0.0 | 19.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:14 | 0.0 | 19.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:35 | 69.2 | 2.4 | 6.2 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:35 | 69.2 | 2.5 | 6.1 | 14.9 | >100 | | |
| Office ambient air, with filter | 7/3/2013 | 12:22 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 80s | Trace |
| Office ambient air, without filter | | 12:22 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:14 | 0.0 | 19.7 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:14 | 0.0 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:28 | 74.1 | 2.8 | 6.1 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:28 | 74.1 | 3.0 | 6.1 | 15.0 | >100 | | |
| Office ambient air, with filter | 7/11/2013 | 14:05 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 70s | None |
| Office ambient air, without filter | | 14:05 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:15 | 1.6 | 19.9 | 0.9 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:15 | 1.6 | 19.9 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:08 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:08 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:30 | 60.1 | 2.6 | 6.5 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:30 | 60.1 | 2.8 | 6.2 | 17.5 | >100 | | |
| Office ambient air, with filter | 7/18/2013 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 70s - 90s | None |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:22 | 6.4 | 19.8 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:22 | 6.4 | 19.9 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:52 | 69.3 | 1.3 | 7.0 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:52 | 69.3 | 1.6 | 7.0 | 20.1 | >100 | | |
| Office ambient air | 7/25/2013 | Inaccessible due to preparation of office area for demolition | | | | | | 50s - 70s | None |
| Sub-slab probe B (office) | | | | | | | | | |
| Warehouse ambient air, with filter | | 14:01 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:01 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:56 | 69.2 | 2.3 | 6.5 | 15.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:56 | 69.2 | 1.7 | 6.9 | 20.2 | >100 | | |

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|-------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
|-------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

^[3] - Value was rejected (R) due to suspected transcription error or meter malfunction.

^[4] - Anomalous Value. Suspected instrument carry-over or transcription error.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).


 - Unfiltered value is lower than filtered value, indicating either a transcription error, or issue with sampling or data quality.

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------------------|-----------------------|------------------------|------------------------|--------------------|-----------------------------|------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 0.9 | 22.1 | 0.1 | 0.0 | ND(1) ¹ | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 391 | 7.5 | 2.7 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 96.7 | 5.5 | 2.8 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 1 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 182.7 | 5.5 | 3.1 | 1.1 | 25 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 0.1 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 142.3 | 10.9 | 1.8 | 0.9 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 0.1 | 20.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 79.4 | 14.1 | 3.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 79.4 | 18.1 | 0.3 | 0.2 | 3 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 0.1 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 196.5 | 13.8 | 0.2 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 196.5 | 16.9 | 1.5 | 0.4 | 9 | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 0 | 20.1 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 101.2 | 1.0 | 3.3 | 0.8 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | |
| 5173 / 1 / A ambient air without filter | | 9:57 0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A with filter | | 10:15 0 | 16.9 | 3.0 | 0.0 | 0 | | |
| 5173 / 1 / B ambient air without filter | | 9:30 0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B with filter | | 9:48 0.2 | 9.1 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 105.8 | 3.2 | 1.2 | 0.7 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 105.8 | 3.0 | 5.1 | 1.1 | 24 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | 0.1 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 17.1 | 5.9 | 5.4 | 1.2 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 136.8 | 1.9 | 0.4 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 136.8 | 1.7 | 5.1 | 1.4 | 29 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 0 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 206.1 | 3.0 | 0.5 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 206.1 | 3.1 | 1.2 | 0.9 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 129.8 | 2.3 | 2.2 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 129.8 | 1.5 | 5.5 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 120.7 | 2.2 | 1.7 | 0.9 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 120.7 | 14.9 | 1.6 | 0.5 | 12 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 0 | 20.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 122.1 | 15.2 | 0.8 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 122.1 | 9.5 | 3.4 | 0.7 | 14 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 0 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 167.9 | 10.7 | 0.9 | 0.6 | 14 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 167.9 | 7.8 | 3.8 | 0.9 | 18 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | 0 | 20.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 107.1 | 1.2 | 6.2 | 0.9 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 107.1 | 2.2 | 6.4 | 1.3 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 116.6 | 8.7 | 1.5 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 116.6 | 16.8 | 2.0 | 0.7 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 102.2 | 0.9 | 6.2 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 102.2 | 1.8 | 7.0 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 72.0 | 5.5 | 3.5 | 0.7 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 72.0 | 3.8 | 4.3 | 1.0 | 21 | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 26 | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 43 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 21 | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 36 | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 25 | | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 38 | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 51 | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 43 | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 63 | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0 | 90s | none |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 17 | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 38 | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | 0 | low 90s | none |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | 43 | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 57 | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0 | 80 - low 90s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 47 | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 62 | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0 | 80s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 42 | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 46 | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0 | 80s | none |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 39 | | |
| 5173 / 1 / C / Storage area without filter | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 57 | | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|--|--|
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | |
| 5173 / 1 / C / Storage area without filter | | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | 41 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | 52 | | | |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | 60s - 70s | none | |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | mid 60s | light rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | 40 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | 56 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | mid 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | | |

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|-------------|----------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 70s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | 1 ^R | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | 31 | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | 41 | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | 34 | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | 43 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | 27 | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | 33 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | 27 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 50s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | 9 | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | 16 | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|-------------|----------------------|------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | 10s - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | 15 | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | 22 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | 17 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | 16 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | 21 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | 18 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | 19 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 20s - 50s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 20s | trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:03 | | 0.0 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | 14:31 | | 0.6 | 14.7 | 4.0 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | 14:31 | | 0.6 | 14.7 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:21 | | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:21 | | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:15 | | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:15 | | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:36 | | 63.0 | 2.3 | 3.2 | 0.6 | 13 | | |
| 5173 / 1 / C / Storage area without filter | 14:36 | | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | 8 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 20s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | | | 8 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 20s - 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | | | 11 |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 50s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | | | 7 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | | | 8 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:23 | | 0.0 | 20.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | 14:19 | | 1.1 | 15.5 | 3.8 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | 14:19 | | 1.1 | 15.6 | 4.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | 14:26 | | 1.3 | 6.5 | 9.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | 14:26 | | 1.3 | 10.0 | 6.6 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:31 | | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | |
| 5173 / 1 / C / Storage area without filter | 14:31 | | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | |

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | 60s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | 50s - 60s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:09 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 0.3 | 16.1 | 3.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 0.3 | 15.9 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:52 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:52 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 0.2 | 6.9 | 10.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 0.2 | 6.9 | 10.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:00 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:00 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:04 | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | 15:04 | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 40s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | 17 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 50s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 40s - 80s | ~1 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | 15 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | 22 | | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|--|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|-------------|
| 5173 / 1 / A / Office area ambient air with filter | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 40s - 80s | ~0.2 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:37 | 0.0 | 18.8 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:37 | 0.0 | 18.7 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.0 | 19.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.9 | 6.7 | 12.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.9 | 6.8 | 12.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:44 | 79.5 | 3.1 | 7.0 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:44 | 79.5 | 3.1 | 6.6 | 1.0 | 20 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 50s - 80s | ~1.3 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | 25 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:51 | | 0.1 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 15:28 | | 1.8 | 19.2 | 2.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 15:28 | | 1.8 | 19.0 | 2.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:35 | | 126.8 | 4.3 | 6.5 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | 15:35 | | 126.8 | 4.4 | 6.8 | 1.1 | 23 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 80s | 1.55 inches |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | -- | 86.4 | 1.9 | 7.6 | 1.4 | 25 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 50s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | -- | 235.1 | 2.4 | 7.4 | 1.8 | 37 | | | |

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|---|
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 70s - 80s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 | 32 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/3/2013 | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 80s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.0 | 19.0 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.0 | 19.0 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:47 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:47 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:05 | 5.0 | 7.7 | 10.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:05 | 5.0 | 7.7 | 11.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:25 | 217 | 3.3 | 6.5 | 1.2 | 25 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:25 | 217 | 3.0 | 7.4 | 1.6 | 32 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/11/2013 | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:20 | 2.4 | 19.3 | 1.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:20 | 2.4 | 19.2 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:25 | 102.6 | 1.7 | 7.8 | 1.2 | 24 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:25 | 102.6 | 1.9 | 8.0 | 1.8 | 35 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 7/18/2013 | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:34 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 15:16 | | 1.9 | 19.7 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 15:16 | | 1.9 | 19.8 | 1.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 15:09 | | 5.0 | 8.0 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | 15:09 | | 5.0 | 7.7 | 11.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:45 | | 126.3 | 2.0 | 8.0 | 1.3 | 25 | | | |
| 5173 / 1 / C / Storage area without filter | 15:45 | | 126.3 | 2.9 | 8.0 | 1.9 | 37 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/25/2013 | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 50s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:46 | 2.4 | 19.6 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:46 | 2.4 | 19.6 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:16 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:16 | 0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:51 | 113.6 | 2.7 | 7.4 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:51 | 113.6 | 2.8 | 7.7 | 1.9 | 38 | | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORAIN, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID</i> <i>Time</i> | <i>O₂</i> <i>(ppm)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> |
|---|--------------|---------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|
|---|--------------|---------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|------------------|---------------------------------|--|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | |
| GP-2 (16') without filter | | -- | -- | 2.0 | 11.6 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 4.6 | 10.0 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | |

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|--|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/30/2013 | 14:45 | 0.0 | 16.8 | 3.4 | 0.0 | 0.0 | 40s - 70s | None |
| GP-2 (12') with filter | | 14:45 | 0.0 | 17.0 | 0.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:50 | 0.0 | 16.3 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:50 | 0.0 | 16.7 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/9/2013 | 14:41 | 0.0 | 14.8 | 3.3 | 0.0 | 0.0 | 50s - 70s | None |
| GP-2 (12') with filter | | 14:41 | 0.0 | 14.9 | 0.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:45 | 0.0 | 14.1 | 3.8 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:45 | 0.0 | 14.5 | 1.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/16/2013 | 13:25 | 0.0 | 15.3 | 4.1 | 0.0 | 0.0 | 40s - 80s | ~1 inch |
| GP-2 (12') with filter | | 13:25 | 0.0 | 15.3 | 4.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/21/2013 | 15:29 | 0.0 | 13.7 | 3.8 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch |
| GP-2 (12') with filter | | 15:29 | 0.0 | 13.8 | 3.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:32 | 0.0 | 12.7 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:32 | 0.0 | 12.8 | 3.0 | 0.0 | 0.0 | | |

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|
| GP-2 (12') without filter | 5/30/2013 | 13:20 | 0.0 | 15.8 | 3.8 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch |
| GP-2 (12') with filter | | 13:20 | 0.0 | 15.8 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:25 | 0.0 | 13.1 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:25 | 0.0 | 13.0 | 5.3 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/6/2013 | 14:50 | 0.0 | 16.3 | 4.6 | 0.0 | 0.0 | 60s | 0.25 inch |
| GP-2 (12') with filter | | 14:50 | 0.0 | 16.2 | 4.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:00 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:00 | 0.0 | 14.7 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/13/2013 | 16:05 | 0.0 | 8.2 | 5.4 | 0.0 | 0.0 | 60s - 80s | 1.55 inch |
| GP-2 (12') with filter | | 16:05 | 0.0 | 7.5 | 5.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 16:10 | -- | 5.2 | 6.6 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 16:10 | -- | 5.1 | 6.4 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/20/2013 | -- | 0.0 | 8.0 | 6.1 | 0.0 | 0.0 | 50s - 80s | None |
| GP-2 (12') with filter | | -- | 0.0 | 8.3 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | -- | -- | 5.3 | 6.5 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | -- | -- | 5.6 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/27/2013 | 14:06 | 0.6 | 15.9 | 1.5 | 0.0 | 0.0 | 70s - 80s | Trace |
| GP-2 (12') with filter | | 14:06 | 0.6 | 16.3 | 0.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:11 | 43.6 | 3.7 | 2.6 | 1.6 | 30 | | |
| GP-2 (16') with filter | | 14:11 | 43.6 | 2.1 | 3.6 | 1.0 | 20 | | |
| GP-2 (12') without filter | 7/3/2013 | 13:18 | 23.5 | 6.9 | 4.9 | 1.4 | 28 | 60s - 80s | Trace |
| GP-2 (12') with filter | | 13:18 | 23.5 | 7.5 | 3.4 | 0.7 | 13 | | |
| GP-2 (16') without filter | | 13:22 | 59.6 | 1.9 | 7.1 | 5.8 | >100 | | |
| GP-2 (16') with filter | | 13:22 | 59.6 | 1.6 | 6.9 | 1.8 | 36 | | |
| GP-2 (12') without filter | 7/11/2013 | 14:45 | 40.4 | 4.0 | 6.5 | 6.5 | >100 | 60s - 70s | None |
| GP-2 (12') with filter | | 14:45 | 40.4 | 4.0 | 4.9 | 3.4 | 68 | | |
| GP-2 (16') without filter | | 14:51 | 55.6 | 4.6 | 6.2 | 11.2 | >100 | | |
| GP-2 (16') with filter | | 14:51 | 55.6 | 3.9 | 5.0 | 2.2 | 44 | | |
| GP-2 (12') without filter | 7/18/2013 | 14:35 | 20.4 | 17.7 | 1.2 | 0.5 | 10 | 70s - 90s | None |
| GP-2 (12') with filter | | 14:35 | 20.4 | 17.7 | 1.0 | 0.2 | 5 | | |
| GP-2 (16') without filter | | 14:41 | 44.3 | 1.9 | 7.4 | 5.1 | >100 | | |
| GP-2 (16') with filter | | 14:41 | 44.3 | 4.7 | 1.8 | 1.8 | 36 | | |
| GP-2 (12') without filter | 7/25/2013 | 14:15 | 38.7 | 4.8 | 6.5 | 3.8 | 75 | 50s - 70s | None |
| GP-2 (12') with filter | | 14:15 | 38.7 | 4.7 | 6.1 | 3.0 | 60 | | |
| GP-2 (16') without filter | | 14:20 | 48.3 | 4.4 | 7.9 | 4.0 | 80 | | |
| GP-2 (16') with filter | | 14:20 | 48.3 | 4.2 | 8.3 | 3.3 | 65 | | |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

TABLE 4

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP22-13 (20') without filter | 7/11/2013 | 14:55 | 0.1 | 8.4 | 3.4 | 0.0 | 0 | 60s - 70s | None |
| GP22-13 (20') with filter | | 14:55 | 0.1 | 8.4 | 3.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 15:01 | 0.9 | 15.6 | 3.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:01 | 0.9 | 15.0 | 2.1 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 10.1 | 7.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 8.6 | 7.5 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:10 | 0.3 | 11.5 | 6.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:10 | 0.3 | 11.4 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') without filter | 7/18/2013 | 15:31 | 0.0 | 16.2 | 3.0 | 0.0 | 0 | 70s - 90s | None |
| GP-7 (8') with filter | | 15:31 | 0.0 | 16.1 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 15:31 | 0.0 | 13.0 | 5.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 15:31 | 0.0 | 13.4 | 4.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 15:25 | 0.1 | 0.9 | 10.2 | 0.5 | 12 | | |
| GP12-09 (6') with filter | | 15:25 | 0.1 | 1.2 | 11.3 | 0.6 | 12 | | |
| GP22-13 (20') without filter | | 14:45 | 0.3 | 14.5 | 1.0 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:45 | 0.3 | 14.6 | 1.3 | 0.1 | 1 | | |
| GP23-13 (18.5') without filter | | 14:51 | 0.0 | 12.2 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:51 | 0.0 | 12.4 | 6.0 | 0.1 | 1 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.4 | 4.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.2 | 4.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:02 | 0.0 | 14.1 | 4.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:02 | 0.0 | 16.8 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | 7/25/2013 | 14:24 | 0.0 | 16.8 | 3.4 | 0.0 | 0 | 50s - 70s | None |
| GP-7 (8') without filter | | 14:24 | 0.0 | 16.7 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:24 | 0.0 | 13.2 | 5.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:24 | 0.0 | 13.2 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:24 | 0.0 | 10.4 | 6.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:24 | 0.0 | 10.4 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:37 | 0.6 | 18.0 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:37 | 0.6 | 18.0 | 4.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:42 | 0.0 | 14.1 | 4.8 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:42 | 0.0 | 14.2 | 4.6 | 0.0 | 0 | | |

Notes:

- PID - Photoionization Detector
- O₂ - Oxygen
- CO₂ - Carbon Dioxide
- CH₄ - Methane
- LEL - Lower Explosive Limit
- NM - Not measured
- U - Qualified as non-detect due to issues with the filter
- Value** - Value is greater than LEL for methane (5 percent methane)



**CONESTOGA-ROVERS
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September 10, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: August 1 through 31, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of August 1 through 31, 2013.

The next Progress Report for the month of September 2013 will be submitted on or before October 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

RI/FS ASAOC Developments

On August 28, 2013, CRA provided the USEPA, Ohio EPA, CH2M Hill, and the Respondents with the validated analytical results from the Phase 1A Groundwater and Data Gap investigative borehole and groundwater sampling at the Site, in accordance with the USEPA-approved work plan.



September 10, 2013

Reference No. 038443-12

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Removal Action ASAOC Developments

On August 1, 8, 15, 22, and 29, 2013, USEPA, Ohio EPA, the USEPA START contractor, and the Respondents participated in conference calls regarding the status of vapor intrusion (VI) mitigation activities. During the August conference calls, the participants reviewed the methane field readings from USEPA probe GP-2, and soil gas probes located on the western side of Dryden Road, across from GP-2. Based on the field readings, methane values greater than the LEL of 5 percent that were measured at GP-2 appear to be a seasonal issue, with the greatest readings recorded in July. Methane does not appear to be leaving the Site, and the elevated methane readings at GP-2 do not appear to be a Site-related issue.

On August 8, 2013, CRA contacted Bullseye Amusements management by email. CRA provided Bullseye Amusements with a figure of proposed SSDS component locations, and requested feedback regarding suitability of the locations.

On August 8, 2013, CRA contacted S&J Precision and Overstreet Painting providing notification of the anticipated SSDS installation start date of August 15, 2013, and a figure of proposed SSDS component locations.

On August 16, 2013, CRA presented the USEPA and its consultant, CSS-Dynamac, with drawings of revised locations for system components in Building 12, located at 2015 and 2019 Dryden Road, occupied by S&J Precision and Overstreet Painting. CRA requested the revised locations be approved for installation. On August 22, 2013, USEPA issued limited approval of the revised component locations for Building 12. USEPA specified that the system radius of influence must reach the office areas, and sub-slab (SS) soil vapor probes in or near the Building 12 offices must be included in any proficiency sampling plans that relied on sub-slab vapor sampling rather than just sub-slab vacuum measurements.

On August 21, 2013, the Respondents provided notice to USEPA, Ohio EPA, and CSS-Dynamac, regarding potential access issues to the buildings at the Site during the previous week, which had been largely resolved by that date.

During the conference call held on August 22, 2013, USEPA proposed hybrid proficiency sampling in cases where system completion and compliance was not demonstrated by vacuum readings alone. Hybrid proficiency sampling would include SS probe sampling with a focus on heavily occupied spaces (i.e., offices), in addition to indoor air proficiency sampling.

Following the conference call held on August 29, 2013, CSS-Dynamac confirmed that USEPA expected hybrid sampling to occur as soon as possible.



The Respondents completed weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road in August. The Respondents did not complete any weekly field screening measurements in August 2013, at Valley Asphalt Parcel 5054 Building 2, located at 1903 Dryden Road, because the building was inaccessible due to preparations for demolition. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in Tables 1 and 2, respectively. Table 3 presents field screening values measured by the Respondents in USEPA soil gas probe GP-2. Table 4 presents field screening values for soil gas probes located on the western side of Dryden Road, on the Site, across from GP-2.

SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As previously discussed with USEPA, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation has had, and will have, on their business. The Respondents will continue to work with USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.
- The Respondents will complete 30-day proficiency indoor air or hybrid testing at Globe Equipment Building 24, located at 2215 East River Road, and B&G Trucking Buildings 8 and 9, located at 1951 Dryden Road.
- The Respondents will submit the following to USEPA:
 - Proposed Phase 1B Monitoring Well locations and Supporting Rationale
 - OU2 RI/FS Work Plan
 - Individual OU2 Work Plans



**CONESTOGA-ROVERS
& ASSOCIATES**

September 10, 2013

Reference No. 038443-12

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Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley

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Encl.

cc: (all by pdf) Paul Jack, Castle Bay
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Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Madelyn Smith, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
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October 9, 2013

Reference No. 038443-12

Ms. Leslie Patterson
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United States Environmental Protection Agency
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77 West Jackson Boulevard
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60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: September 1 through 30, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of September 1 through 30, 2013.

The next Progress Report for the month of October 2013 will be submitted on or before November 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

RI/FS ASAOC Developments

On September 5, 2013, CRA provided USEPA, Ohio EPA, and CH2M Hill with an updated RI/FS schedule for.

On September 6, 2013, CRA provided USEPA, Ohio EPA, CH2M Hill, and the Respondents with a draft RI/FS Work Plan for Operable Unit 2 (OU2). On September 12, 2013, CRA



**CONESTOGA-ROVERS
& ASSOCIATES**

October 9, 2013

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provided USEPA, Ohio EPA, CH2M Hill, and the Respondents with a revised draft OU2 RI/FS Work Plan to address some formatting issues in the September 6 draft.

On September 19, 2013, USEPA, Ohio EPA, CH2M Hill, the Respondents and CRA participated in a conference call regarding the status of the OU2 RI/FS. Next steps for CRA included contacting a Miller Valentine representative regarding the well located at 2447 East River Road, to complete water sampling in accordance with the Phase 1A Work Plan; and to review and update the Quality Assurance Project Plan (QAPP) as needed.

On September 20, 2013, CRA provided USEPA, Ohio EPA, and CH2M Hill with a letter summarizing the Phase 1A investigation results, and recommendations for monitoring well and Vertical Aquifer Sampling (VAS) boreholes for the Phase 1B and Phase 2A groundwater investigations. On the same date, CRA distributed the draft Phase 1A Stratigraphy logs to the same recipients.

Removal Action ASAOC Developments

On September 5, 12, and 19, 2013, USEPA, Ohio EPA, the USEPA START contractor, and the Respondents participated in conference calls regarding the status of vapor intrusion (VI) mitigation activities.

During the September conference calls, the participants discussed the following topics:

- Request from the property owner representatives and realty company that proof of successful system operation be provided before access would be granted to additional buildings for completion of mitigation.
- Methane field readings from USEPA probe GP-2, and Site soil gas probes located on the western side of Dryden Road, across from GP-2 (i.e., GP-7, GP-12, and GP-23). Based on the field readings, methane at GP-2 does not appear to originate from the Site.
- The Respondents proposed to discontinue monitoring at CRA soil gas probes GP-7, GP-12, and GP-23. The Respondents and USEPA agreed to decrease monitoring at these soil gas probes from weekly to monthly.
- Based on methane field screening completed to date, a landfill gas perimeter system is not required.
- USEPA requested CRA's help in contacting representatives for the property owners to request permission on behalf of Valley Asphalt to demolish Building 7, a garage that



October 9, 2013

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straddles Parcels 5054 and 5171. CRA was informed that the granddaughter of the property owners is using the building for storage.

On September 5, 2013, CRA provided USEPA, Ohio EPA, CH2M Hill, and the Respondents with proposed hybrid proficiency (sub-slab soil vapor and indoor air) sample locations for B&G Trucking Buildings 8 and 9, and Globe Equipment Building 24. On September 6, 2013, USEPA issued written approval of these proposed sampling locations. On September 10, 2013, CRA provided USEPA with notification of 30-day hybrid proficiency sampling for Buildings 8 and 24. On September 11 and 12, 2013, CRA completed 30-day hybrid proficiency sampling for B&G Trucking Building 8, and Globe Equipment Building 12, respectively.

On September 5, 2013, Ohio-licensed radon contractor, Environmental Doctor, received City of Moraine Electrical Permits for Buildings 12, 14, 15, 16, and 17.

Between September 9 and 18, 2013, Environmental Doctor installed the sub-slab depressurization system (SSDS) at Building 12, occupied by S&J Precision and Overstreet Painting, located at 2015/2019 Dryden Road.

On September 12, 2013, Environmental Doctor received final electrical inspection approvals for B&G Trucking Buildings 8 and 9. On September 29, 2013, Environmental Doctor received final electrical inspection approvals for Globe Equipment Building 24.

The Respondents completed weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road in August. The Respondents did not complete any weekly field screening measurements in September 2013, at Valley Asphalt Parcel 5054 Building 2, located at 1903 Dryden Road, because the building has been demolished. No further field screening is necessary for this now-demolished building. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in Tables 1 and 2, respectively. Table 3 presents field screening values measured by the Respondents in USEPA soil gas probe GP-2. Table 4 presents field screening values for soil gas probes located on the western side of Dryden Road, on the Site, across from GP-2.



SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As previously discussed with USEPA, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation has had, and will have, on their business. The Respondents will continue to work with USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.
- The Respondents will complete 30-day proficiency indoor air or hybrid indoor air and sub-slab testing at B&G Trucking Building 9, located at 1951 Dryden Road, and Building 12, occupied by S&J Precision and Overstreet Painting, at 2015/2019 Dryden Road.
- The Respondents will submit the following to USEPA:
 - Wetland Delineation Summary Report
 - Individual OU2 Work Plans
 - QAPP update or revision
 - Revised schedule for Vapor Intrusion Mitigation



**CONESTOGA-ROVERS
& ASSOCIATES**

October 9, 2013

Reference No. 038443-12

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Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley

VC/cb/10

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
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Madelyn Smith, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 1/10/2012 | -- | 0.2 | 21.4 | 0.1 | 0.0 | NM | | |
| Sub-slab probe B (office) without filter | | -- | 1.2 | 21.2 | 0.1 | 0.0 | NM | | |
| Warehouse ambient air, without filter | | -- | 0.5 | 22.8 | 0.1 | 0.0 | NM | | |
| Sub-slab probe A (warehouse) without filter | | -- | 50.1 | 4.6 | 3.9 | 7.6 | NM | | |
| Warehouse ambient air, without filter | 1/19/2012 | 10:40 | 0.1 | 24.1 | 0.0 | 0.0 | ND(1) ^[1] | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 72.4 | 5.7 | 3.1 | 5.2 | >100 | | |
| Sub-slab probe B (office) without filter | | 11:22 | 6.2 | 23.2 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | 1/24/2012 | 11:05 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:14 | 52.7 | 5.7 | 3.1 | 5.1 | >100 | | |
| Office ambient air, without filter | | 10:50 | 0.0 | 23.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office), without filter | | 10:57 | 2.5 | 21.7 | 0.1 | 0.0 | 0 | | |
| Office ambient air, without filter | 1/31/2012 | 10:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:12 | 5.8 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:30 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 11:17 | 72.4 | 1.9 | 3.8 | 6.9 | >100 | | |
| Office ambient air, without filter | 2/7/2012 | 10:14 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 5.9 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:24 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) without filter | | 10:58 | 67.2 | 6.3 | 3.0 | 6.5 | >100 | | |
| Office ambient air, without filter | 2/15/2012 | 11:00 | 0.1 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:44 | 7.9 | 21.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:02 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:52 | 52.2 | 9.8 | 0.6 | 3.7 | 73 | | |
| Sub-slab probe A (warehouse) without filter | | 13:49 | 52.2 | 4.8 | 3.2 | 6.5 | R ^[3] | | |
| Office ambient air, without filter | 2/23/2012 | 14:00 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 2.3 | 20.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 2.3 | 20.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 19.5 | 5.5 | 0.6 | 5.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 19.5 | 1.6 | 4.2 | 8.2 | >100 | | |
| Office ambient air, without filter | 3/1/2012 | 12:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:43 | 5.2 | 22.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:44 | 5.2 | 22.0 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:21 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:55 | 71.9 | 6.0 | 1.2 | 5.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:58 | 71.9 | 15.9 | 1.7 | 5.6 | 90 ^[4] | | |
| Office ambient air, without filter | 3/8/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 1.4 | 20.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:45 | 20.2 | 1.3 | 2.4 | 4.8 | 96 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------------|---|--|
| Office ambient air, without filter | 3/13/2012 | 7:29 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 7:31 | 1.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 7:35 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 7:51 | 50.0 | 1.8 | 3.1 | 6.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 7:51 | 50.0 | 1.8 | 5.1 | 8.8 | >100 | | |
| Office ambient air, without filter | 3/22/2012 | 12:15 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:42 | 1.1 | 19.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:40 | 1.1 | 19.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:38 | 43.8 | 1.3 | 4.5 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:50 | 43.8 | 1.2 | 5.7 | 10.4 | >100 | | |
| Office ambient air, without filter | 3/27/2012 | 10:40 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:52 | 2.2 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:54 | 2.2 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:43 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:59 | 29.7 | 2.7 | 4.2 | 9.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:01 | 29.7 | 1.7 | 6.2 | 12.0 | >100 | | |
| Office ambient air, without filter | 4/3/2012 | 12:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:06 | 4.4 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:08 | 4.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:59 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 45.1 | 1.2 | 2.9 | 11.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:16 | 45.1 | 1.0 | 5.7 | 13.3 | >100 | | |
| Office ambient air, without filter | 4/10/2012 | 11:30 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 3.9 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:48 | 3.9 | 20.6 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:40 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:58 | 74.8 | 1.2 | 3.5 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:01 | 74.8 | 1.5 | 5.4 | 15.1 | >100 | | |
| Office ambient air, without filter | 4/17/2012 | 10:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:09 | 3.0 | 20.7 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 3.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:35 | 34.6 | 1.0 | 4.2 | 11.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:42 | 34.6 | 0.6 | 5.5 | 14.3 | >100 | | |
| Office ambient air, without filter | 4/26/2012 | 12:20 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:36 | 4.1 | 20.0 | 1.6 | 0.3 ^[4] | 10 ^[4] | | |
| Sub-slab probe B (office) without filter | | 12:38 | 4.1 | 20.5 | 0.1 | 0.0 | ND(1) ^[1] | | |
| Warehouse ambient air, without filter | | 11:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 12:14 | 20.5 | 0.7 | 3.7 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 12:17 | 20.5 | 15.9 | 1.5 | 3.2 ^[4] | 94 ^[4] | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, without filter | 5/3/2012 | 9:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:08 | 1.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:10 | 1.6 | 20.2 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 11:14 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:24 | 24.4 | 19.1 | 0.2 | 1.3 | 28 | | |
| Sub-slab probe A (warehouse) without filter | | 11:25 | 24.4 | 17.1 | 1.1 | 2.2 | 57 | | |
| Office ambient air, without filter | 5/10/2012 | 14:27 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:36 | 1.5 | 21.0 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:38 | 1.5 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:34 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:48 | 34.9 | 1.7 | 2.9 | 14 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:48 | 34.9 | 0.7 | 5.8 | 16.7 | >100 | | |
| Office ambient air, without filter | 5/15/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:15 | 1.8 | 18.5 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:15 | 1.8 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:51 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:59 | 22.2 | 1.3 | 0.8 | 13.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:59 | 22.2 | 2.0 | 5.0 | 14.5 | >100 | | |
| Office ambient air, without filter | 5/24/2012 | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:35 | 2.2 | 20.3 | 0.2 | 0.2 | 4 | | |
| Sub-slab probe B (office) without filter | | 14:41 | 2.2 | 20.3 | 0.3 | 0.3 | 4 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:15 | 19.7 | 1.2 | 4.3 | 14.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:22 | 19.7 | 0.6 | 3.6 | 18.6 | >100 | | |
| Office ambient air, without filter | 5/31/2012 | 9:40 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:53 | 2.8 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:06 | 2.8 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:13 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:26 | 46.4 | 1.1 | 5.1 | 15.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:50 | 46.4 | 1.5 | 6.5 | 17.9 | >100 | | |
| Office ambient air, without filter | 6/7/2012 | 9:22 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:30 | 4.6 | 20.1 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:41 | 4.6 | 20.4 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:49 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:57 | 82.3 | 0.4 | 5.7 | 16.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:04 | 82.3 | 1.2 | 6.3 | 19.8 | >100 | | |
| Office ambient air, without filter | 6/14/2012 | 9:55 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:04 | 11.5 | 19.9 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:12 | 11.5 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:19 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:32 | 35.3 | 8.2 | 3.5 | 11.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:40 | 35.3 | 0.9 | 6.4 | 20.3 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|--|
| Office ambient air, without filter | 6/19/2012 | 9:48 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:05 | 3.7 | 19.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:07 | 3.7 | 19.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:37 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:08 | 38.1 | 1.4 | 5.7 | 16.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:09 | 38.1 | 1.0 | 6.5 | 22.3 | >100 | | |
| Office ambient air, without filter | 6/28/2012 | 9:13 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:29 | 0.8 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:29 | 0.8 | 19.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:35 | 0.0 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:49 | 59.1 | 17.8 | 0.4 | 3 | 66 | | |
| Sub-slab probe A (warehouse) without filter | | 9:49 | 59.1 | 12.4 | 2.9 | 9 | >100 | | |
| Office ambient air, without filter | 7/3/2012 | 10:35 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:53 | 2.7 | 18.2 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 10:55 | 2.7 | 18.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 10:44 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:00 | 54.1 | 1.2 | 6.6 | 20.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:02 | 54.1 | 1.1 | 4.1 | 17 | >100 | | |
| Office ambient air, without filter | 7/11/2012 | 14:02 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 10.2 | 18.0 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 10.2 | 18.1 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:25 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:33 | 60.3 | 1.4 | 7.1 | 19.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:33 | 60.3 | 1.3 | 4.0 | 15.2 | >100 | | |
| Office ambient air, without filter | 7/19/2012 | 14:20 | 0.0 | 20.7 | 0.0 | 0.1 ^[4] | 1 ^[4] | | |
| Sub-slab probe B (office) with filter | | 14:27 | 25.5 | 18.9 | 2.7 | 0.8 ^[4] | 7 ^[4] | | |
| Sub-slab probe B (office) without filter | | 14:27 | 25.5 | 19.0 | 0.8 | 0.0 | 1 | | |
| Warehouse ambient air, without filter | | 14:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:13 | 24.2 | 1.3 | 7.4 | 17.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:13 | 24.2 | 1.3 | 7.1 | 22.7 | >100 | | |
| Office ambient air, without filter | 7/26/2012 | 9:08 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 9:20 | 0.3 | 18.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 9:20 | 0.3 | 18.5 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:25 | 0.0 | 20.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:33 | 1.1 | 3.3 | 4.9 | 15.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:33 | 1.1 | 0.6 | 7.1 | 24.7 | >100 | | |
| Office ambient air, with filter | 8/2/2012 | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | 90s | none |
| Office ambient air, without filter | | 8:52 | 0.6 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 8:59 | 63.2 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 8:59 | 63.2 | 19.4 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 9:05 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 9:14 | 115.9 | 6.6 | 0.8 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 9:14 | 115.9 | 6.2 | 5.2 | 15.7 | >100 | | |
| Office ambient air, with filter | 8/7/2012 | 10:29 | -- | -- | -- | -- | 0 | Low 90s | none |
| Office ambient air, without filter | | 10:29 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 10:32 | -- | -- | -- | -- | 0 | | |
| Sub-slab probe B (office) without filter | | 10:32 | 7.4 | 18.6 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 10:40 | -- | -- | -- | -- | 0 | | |
| Warehouse ambient air, without filter | | 10:40 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 10:45 | -- | -- | -- | -- | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 10:45 | 53.7 | 5.2 | 5.2 | 24.6 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|------------------|---|---|
| Office ambient air, with filter | 8/16/2012 | 12:53 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 80 - low 90s | none |
| Office ambient air, without filter | | 12:53 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:02 | 7.7 | 19.3 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:02 | 7.7 | 19.2 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:57 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:57 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:15 | 42.5 | 0.3 | 5.9 | 18.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:15 | 42.5 | 1.6 | 5.9 | 22.6 | >100 | | |
| Office ambient air, with filter | 8/21/2012 | 15:00 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | 80s | none |
| Office ambient air, without filter | | 15:00 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:16 | 4.3 | 19.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:16 | 4.3 | 20.3 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:40 | 46.7 | 15.4 | 0.6 | 18.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:40 | 46.7 | 14.7 | 1.7 | 23.9 | >100 | | |
| Office ambient air, without filter | 8/30/2012 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 80s | none |
| Sub-slab probe B (office) with filter | | 15:19 | 0.0 | 19.3 | 1.3 | 0.2 ^[4] | 3 ^[4] | | |
| Sub-slab probe B (office) without filter | | 15:19 | 0.0 | 19.3 | 1.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:50 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 62.7 | 0.7 | 6.4 | 16.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 62.7 | 0.4 | 6.0 | 25.1 | >100 | | |
| Office ambient air, with filter | 9/6/2012 | | 0.0 | 19.8 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 |
| Office ambient air, without filter | | | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:24 | 6.2 | 18.4 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:24 | 6.2 | 18.8 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 108.4 | 0.9 | 3.7 | 17.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 108.4 | 0.4 | 5.8 | 24.6 | >100 | | |
| Office ambient air, with filter | 9/13/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 11:47 | 2.3 | 19.5 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 11:47 | 2.3 | 19.2 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 11:55 | 35.2 | 0.6 | 4.6 | 19.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 11:55 | 35.2 | 0.7 | 5.6 | 22.9 | >100 | | |
| Office ambient air, with filter | 9/20/2012 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | high 70s - low 80s | none |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 12:57 | 1.1 | 19.9 | 0.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 12:57 | 1.1 | 19.7 | 0.9 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:05 | 0.0 | 21.2 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:13 | 48.4 | 1.1 | 4.8 | 16.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:13 | 48.4 | 1.0 | 5.1 | 21.9 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 9/27/2012 | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | 60s - 70s | none |
| Office ambient air, without filter | | 14:40 | 0.4 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 3.1 | 19.4 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 3.1 | 20.0 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:57 | 0.6 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:05 | 81.1 | 1.3 | 3.3 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:05 | 81.1 | 15.0 | 1.3 | 16.2 | >100 | | |
| Office ambient air, with filter | 10/2/2012 | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | mid 60s | light rain |
| Office ambient air, without filter | | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:45 | 1.5 | 20.2 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:45 | 1.5 | 20.1 | 0.8 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:00 | 91.4 | 0.5 | 5.6 | 15.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:00 | 91.4 | 0.2 | 4.9 | 21.3 | >100 | | |
| Office ambient air, with filter | 10/18/2012 | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | mid 70s | none |
| Office ambient air, without filter | | 14:05 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 3.1 | 21.0 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 3.1 | 21.1 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:11 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:51 | 59.6 | 0.7 | 3.6 | 15.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:51 | 59.6 | 1.6 | 4.2 | 18.0 | >100 | | |
| Office ambient air, with filter | 10/25/2012 | 13:54 | 0.0 | 20.0 | 0.1 | 0.0 | 0 | 70s | none |
| Office ambient air, without filter | | 13:54 | 0.0 | 19.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 19.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 48.8 | 0.2 | 4.0 | 14.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 48.8 | 0.2 | 4.2 | 17.9 | >100 | | |
| Office ambient air, with filter | 10/30/2012 | 14:15 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain |
| Office ambient air, without filter | | 14:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.3 | 20.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.3 | 20.4 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:24 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:24 | 0.0 | 27.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:15 | 15.5 | 0.6 | 2.4 | 14.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:15 | 15.5 | 0.4 | 4.0 | 17.7 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 11/8/2012 | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:57 | 0.9 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:32 | 2.0 | 20.1 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:32 | 2.0 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:44 | 1.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:44 | 1.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:44 | 83.6 | 0.3 | 2.9 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:44 | 83.6 | 0.5 | 3.6 | 16.0 | >100 | | |
| Office ambient air, with filter | 11/15/2012 | 14:24 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 14:24 | 0.0 | 22.4 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.7 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 21.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:31 | 0.0 | 22.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:53 | 21.9 | 0.3 | 3.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:53 | 21.9 | 0.2 | 3.5 | 16.4 | >100 | | |
| Office ambient air, with filter | 11/20/2012 | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 50s | Trace |
| Office ambient air, without filter | | 13:53 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:48 | 0.0 | 20.3 | 1.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:48 | 0.0 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:00 | 79.6 | 0.1 | 3.4 | 14.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:00 | 79.6 | 0.1 | 3.5 | 17.5 | >100 | | |
| Office ambient air, with filter | 11/29/2012 | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| Office ambient air, without filter | | 13:16 | 0.5 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:13 | 0.9 | 20.3 | 0.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:13 | 0.9 | 20.3 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:31 | 0.5 | 21.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 32.5 | 0.4 | 3.2 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 32.5 | 0.3 | 3.2 | 16.1 | >100 | | |
| Office ambient air, with filter | 12/4/2012 | 14:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:26 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:26 | 0.0 | 20.1 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:47 | 33.1 | 0.9 | 3.5 | 12.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:47 | 33.1 | 0.8 | 3.5 | 14.8 | >100 | | |
| Office ambient air, with filter | 12/13/2012 | 14:41 | 0.0 | 21.2 | 0.0 | 0.1 U | 2 U | 40s | None |
| Office ambient air, without filter | | 14:41 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:27 | 1.1 | 20.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:27 | 1.1 | 20.5 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:38 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:38 | 0.0 | 21.1 | 0.1 | 0.1 U | 2 U | | |
| Sub-slab probe A (warehouse) with filter | | 15:42 | 35.9 | 0.8 | 2.4 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:42 | 35.9 | 0.5 | 3.2 | 15.2 | >100 | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ ^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|------------|---|--------------|--------------------|---------------------|------------------------------------|---------|--------------------------------|---------------------------------------|
| Office ambient air, with filter | 12/18/2012 | 12:49 | 0.0 | 21.9 | 0.0 | 0.0 | 1 U | 40s | None |
| Office ambient air, without filter | | 12:59 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.2 | 20.3 | 2.6 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.2 | 20.2 | 3.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 21.8 | 0.0 | 0.1 U | 2 U | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:02 | 30.4 | 0.3 | 2.9 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:02 | 30.4 | 0.6 | 3.5 | 15.4 | >100 | | |
| 1903 Dryden Road, Valley Asphalt, Parcel 5054 Building 2 (Quonset Hut) | 12/27/2012 | Property closed from December 21, 2012 to January 6, 2013 | | | | | | | |
| Office ambient air, with filter | 1/10/2013 | 12:21 | 0.0 | 20.2 | 0.2 | 0.0 | 0 | 30s | Trace |
| Office ambient air, without filter | | 12:21 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:37 | 0.4 | 20.2 | 0.4 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:37 | 0.4 | 20.3 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 20.4 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:50 | 8.2 | 0.9 | 2.1 | 10.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:50 | 8.2 | 1.2 | 3.2 | 11.5 | >100 | | |
| Office ambient air, with filter | 1/17/2013 | 12:35 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | none |
| Office ambient air, without filter | | 12:35 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.4 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.4 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:28 | 20.4 | 0.3 | 3.2 | 11.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:28 | 20.4 | 0.4 | 3.2 | 12.5 | >100 | | |
| Office ambient air, with filter | 1/24/2013 | 14:11 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 10s - 20s | none |
| Office ambient air, without filter | | 14:11 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:50 | 0.0 | 21.1 | 0.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:50 | 0.0 | 21.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 16:13 | 7.8 | 1.2 | 2.5 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 16:13 | 7.8 | 0.6 | 3.5 | 10.7 | >100 | | |
| Office ambient air, with filter | 1/31/2013 | 14:35 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | 10s - 20s | none |
| Office ambient air, without filter | | 14:35 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:29 | 0.0 | 20.4 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:29 | 0.0 | 20.6 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:45 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:45 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:52 | 7.9 | 0.8 | 3.5 | 9.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:52 | 7.9 | 0.5 | 3.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 2/7/2013 | 14:25 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 20s - 50s | none |
| Office ambient air, without filter | | 14:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:04 | 1.1 | 21.2 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:04 | 1.1 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:30 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:30 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:25 | 23.0 | 1.0 | 3.0 | 8.5 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:25 | 23.0 | 0.7 | 3.1 | 9.6 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 2/12/2013 | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none |
| Office ambient air, without filter | | 13:47 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.6 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.6 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:49 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:47 | 14.8 | 0.5 | 3.4 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:47 | 14.8 | 1.1 | 3.4 | 9.3 | >100 | | |
| Office ambient air, with filter | 2/21/2013 | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 20s | trace |
| Office ambient air, without filter | | 12:40 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | | 0.3 | 20.9 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | | 0.3 | 20.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:37 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:37 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | | 10.2 | 0.5 | 3.2 | 7.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | | 10.2 | 0.6 | 3.4 | 8.1 | >100 | | |
| Office ambient air, with filter | 2/28/2013 | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | ~1 inch |
| Office ambient air, without filter | | 13:51 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:25 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:25 | 0.0 | 20.8 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:53 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:43 | 6.3 | 0.2 | 3.5 | 8.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:43 | 6.3 | 0.4 | 3.5 | 9.6 | >100 | | |
| Office ambient air, with filter | 3/7/2013 | 13:10 | 0.0 | 22.8 | 0.1 | 0.0 | 0 | 30s | None |
| Office ambient air, without filter | | 13:10 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 0.1 | 20.7 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 0.1 | 20.7 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:25 | 33.7 | 3.1 | 3.5 | 6.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:25 | 33.7 | 0.6 | 3.6 | 8.9 | >100 | | |
| Office ambient air, with filter | 3/14/2013 | 14:04 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | 20s - 40s | None |
| Office ambient air, without filter | | 14:04 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:42 | 0.0 | 20.9 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:42 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:06 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:01 | 12.2 | 5.2 | 3.1 | 5.8 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:01 | 12.2 | 5.4 | 2.8 | 7.3 | >100 | | |
| Office ambient air, with filter | 3/21/2013 | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 20s - 30s | Trace |
| Office ambient air, without filter | | 12:52 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:53 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:53 | 0.0 | 21.1 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:16 | 17.8 | 1.3 | 3.5 | 8.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:16 | 17.8 | 1.2 | 3.5 | 9.0 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 3/28/2013 | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 30 - 40s | None |
| Office ambient air, without filter | | 12:21 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:10 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:10 | 0.0 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:33 | 5.7 | 6.5 | 1.0 | 7.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:33 | 5.7 | 6.6 | 2.4 | 7.8 | >100 | | |
| Office ambient air, with filter | 4/4/2013 | 13:08 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 30s - 50s | None |
| Office ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:22 | 0.7 | 21.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:22 | 0.7 | 21.0 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:04 | 0.1 | 21.0 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:04 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:45 | 20.0 | 4.3 | 2.9 | 6.9 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:45 | 20.0 | 4.3 | 3.3 | 7.7 | >100 | | |
| Office ambient air, with filter | 4/9/2013 | 12:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| Office ambient air, without filter | | 12:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:15 | 0.8 | 19.8 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:15 | 0.8 | 19.9 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:39 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:39 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:36 | 14.1 | 0.5 | 4.0 | 8.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:35 | 14.1 | 0.7 | 4.1 | 9.2 | >100 | | |
| Office ambient air, with filter | 4/18/2013 | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | 60s - 80s | None |
| Office ambient air, without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:10 | 1.0 | 20.0 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:10 | 1.0 | 19.9 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:15 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:15 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:29 | 21.8 | 0.4 | 5.0 | 9.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:29 | 21.8 | 0.7 | 5.0 | 9.9 | >100 | | |
| Office ambient air, with filter | 4/23/2013 | 12:45 | 0.0 | 21.0 | 0.3 | 0.0 | 0 | 50s - 60s | None |
| Office ambient air, without filter | | 12:45 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:51 | 0.0 | 20.3 | 1.5 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:51 | 0.0 | 20.6 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:53 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:53 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:10 | 26.4 | 0.9 | 4.7 | 7.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:10 | 26.4 | 0.8 | 4.9 | 8.8 | >100 | | |
| Office ambient air, with filter | 4/30/2013 | 14:10 | 0.0 | 19.1 | 0.0 | 0.0 | 0 | 40s - 70s | None |
| Office ambient air, without filter | | 14:10 | 0.0 | 19.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:54 | 0.2 | 20.2 | 1.9 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:54 | 0.2 | 20.5 | 0.2 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:15 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:15 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:09 | 31.8 | 0.9 | 5.0 | 8.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:09 | 31.8 | 0.7 | 5.0 | 9.7 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 5/9/2013 | 14:06 | 0.0 | 19.4 | 0.0 | 0.0 | 0 | 50s - 70s | None |
| Office ambient air, without filter | | 14:06 | 0.0 | 19.6 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:46 | 0.0 | 18.9 | 1.9 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:46 | 0.0 | 19.4 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:03 | 0.0 | 18.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:03 | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:59 | 19.9 | 0.9 | 5.3 | 9.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:59 | 19.9 | 0.7 | 5.3 | 11.1 | >100 | | |
| Office ambient air, with filter | 5/16/2013 | 13:03 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | 40s - 80s | ~1 inch |
| Office ambient air, without filter | | 13:03 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:41 | 0.5 | 20.0 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:41 | 0.5 | 19.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:02 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:02 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:05 | 25.7 | 0.5 | 6.1 | 10.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:05 | 25.7 | 0.5 | 6.1 | 12.5 | >100 | | |
| Office ambient air, with filter | 5/21/2013 | 14:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | 40s - 80s | ~0.2 inch |
| Office ambient air, without filter | | 14:52 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:35 | 0.0 | 19.3 | 2.8 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:35 | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:55 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:55 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:41 | 40.7 | 1.0 | 6.1 | 10.6 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:41 | 40.7 | 1.0 | 6.2 | 12.8 | >100 | | |
| Office ambient air, with filter | 5/30/2013 | 12:56 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | 50s - 80s | ~1.3 inch |
| Office ambient air, without filter | | 12:56 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:40 | 5.7 | 19.5 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:40 | 5.7 | 19.4 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:05 | 36.7 | 1.0 | 6.4 | 11.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:05 | 36.7 | 1.0 | 6.3 | 13.5 | >100 | | |
| Office ambient air, with filter | 6/6/2013 | 14:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s | 0.25 inch |
| Office ambient air, without filter | | 14:20 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:15 | 2.8 | 20.3 | 0.2 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:15 | 2.8 | 20.1 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:19 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:19 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:43 | 81.9 | 3.6 | 5.7 | 10.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:43 | 81.9 | 3.7 | 5.8 | 11.8 | >100 | | |
| Office ambient air, with filter | 6/13/2013 | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 60s - 80s | 1.5 inches |
| Office ambient air, without filter | | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | -- | 4.0 | 19.8 | 0.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | -- | 4.0 | 19.8 | 0.4 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 15:45 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 15:45 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | -- | 49.1 | 1.3 | 5.2 | 12.3 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | -- | 49.1 | 1.2 | 6.4 | 14.7 | >100 | | |

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---|--------------|--|----------------------|--------------------------|---------------------------|---|----------------|---|--|
| Office ambient air, with filter | 6/20/2013 | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| Office ambient air, without filter | | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | -- | 2.1 | 18.6 | 4.7 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | -- | 2.1 | 19.9 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | -- | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | -- | 76.3 | 1.4 | 6.0 | 13.2 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | -- | 76.3 | 1.3 | 6.5 | 18.1 | >100 | | |
| Office ambient air, with filter | 6/27/2013 | 13:45 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 70s - 80s | Trace |
| Office ambient air, without filter | | 13:45 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 14:14 | 0.0 | 19.6 | 0.3 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 14:14 | 0.0 | 19.7 | 0.3 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 13:50 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 13:50 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 14:35 | 69.2 | 2.4 | 6.2 | 12.7 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 14:35 | 69.2 | 2.5 | 6.1 | 14.9 | >100 | | |
| Office ambient air, with filter | 7/3/2013 | 12:22 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 80s | Trace |
| Office ambient air, without filter | | 12:22 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 13:14 | 0.0 | 19.7 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 13:14 | 0.0 | 19.7 | 0.5 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:20 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 13:28 | 74.1 | 2.8 | 6.1 | 13.0 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 13:28 | 74.1 | 3.0 | 6.1 | 15.0 | >100 | | |
| Office ambient air, with filter | 7/11/2013 | 14:05 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 70s | None |
| Office ambient air, without filter | | 14:05 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:15 | 1.6 | 19.9 | 0.9 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:15 | 1.6 | 19.9 | 0.6 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 14:08 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 14:08 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:30 | 60.1 | 2.6 | 6.5 | 13.1 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:30 | 60.1 | 2.8 | 6.2 | 17.5 | >100 | | |
| Office ambient air, with filter | 7/18/2013 | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 70s - 90s | None |
| Office ambient air, without filter | | 12:51 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe B (office) with filter | | 15:22 | 6.4 | 19.8 | 1.1 | 0.0 | 0 | | |
| Sub-slab probe B (office) without filter | | 15:22 | 6.4 | 19.9 | 0.7 | 0.0 | 0 | | |
| Warehouse ambient air, with filter | | 12:54 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Warehouse ambient air, without filter | | 12:54 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| Sub-slab probe A (warehouse) with filter | | 15:52 | 69.3 | 1.3 | 7.0 | 15.4 | >100 | | |
| Sub-slab probe A (warehouse) without filter | | 15:52 | 69.3 | 1.6 | 7.0 | 20.1 | >100 | | |
| Office ambient air | 8/1/2013 | Inaccessible due to preparation of building for demolition | | | | | | 60s - 80s | None |
| Sub-slab probe B (office) | | | | | | | | | |
| Warehouse ambient air | | | | | | | | | |
| Sub-slab probe A (warehouse) | | | | | | | | | |

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|-------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|
|-------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---|----------------|---|--|

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

^[3] - Value was rejected (R) due to suspected transcription error or meter malfunction.

^[4] - Anomalous Value. Suspected instrument carry-over or transcription error.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).


 - Unfiltered value is lower than filtered value, indicating either a transcription error, or issue with sampling or data quality.

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|-----------|-------|--------------|-----------------------|------------------------|------------------------|--------------------|-----------------------------|------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0.0 | ND(1) ¹ | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1.0 | 3.3 | 0.8 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3.0 | 0.0 | 0 | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3.0 | 5.1 | 1.1 | 24 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3.0 | 0.5 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | |

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID Time</i> | <i>O₂ (ppm)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|--|--------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 | 38 | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 | 51 | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | 43 | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | 63 | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | 17 | 90s |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | 38 | none |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | 43 | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | 57 | low 90s |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | 47 | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | 62 | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | 42 | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | 46 | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | 13:44 | 0.5 | 19.5 | 0.9 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | 39 | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | 57 | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|--|------|
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | | | 38 |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | | | 58 |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | |
| 5173 / 1 / C / Storage area without filter | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | | | 41 |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | | | 52 |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | 60s - 70s | none |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | mid 60s | light rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | | | 40 |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | | | 56 |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | mid 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | | | 30 |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | | | 38 |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID</i> <i>Time</i> | <i>O₂</i> <i>(ppm)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> |
|---|--------------|---------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 70s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 30s - 40s | snow & rain |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 30s - 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 50s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | 40s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|-----------|-------|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | 10s - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | 15 | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | 22 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | 17 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | 16 | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | 21 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | 18 | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | 10 - 20s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | 12 | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | 19 | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 0 | 20s - 50s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | 19 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | 13 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 0 | 20s | trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | | |
| 5173 / 1 / C / Storage area without filter | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s - 40s | ~1 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|---|
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 20s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | 13 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | 20s - 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 50s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | 8 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:23 | | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 14:19 | | 1.1 | 15.5 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 14:19 | | 1.1 | 15.6 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 14:26 | | 1.3 | 6.5 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | 14:26 | | 1.3 | 10.0 | 6.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:31 | | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | 14:31 | | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | 60s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | 50s - 60s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:09 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 0.3 | 16.1 | 3.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 0.3 | 15.9 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:52 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:52 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 0.2 | 6.9 | 10.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 0.2 | 6.9 | 10.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:00 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:00 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:04 | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | | | |
| 5173 / 1 / C / Storage area without filter | 15:04 | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 40s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | 10 | | | | |
| 5173 / 1 / C / Storage area without filter | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | 17 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 50s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | 12 | | | | |
| 5173 / 1 / C / Storage area without filter | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 40s - 80s | ~1 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | 15 | | | |
| 5173 / 1 / C / Storage area without filter | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | 22 | | | | |

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--|--|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 40s - 80s | ~0.2 inch |
| 5173 / 1 / A / Office area ambient air without filter | | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:37 | 0.0 | 18.8 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:37 | 0.0 | 18.7 | 2.5 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.0 | 19.3 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.9 | 6.7 | 12.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.9 | 6.8 | 12.6 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:44 | 79.5 | 3.1 | 7.0 | 0.6 | 13 | | |
| 5173 / 1 / C / Storage area without filter | | 15:44 | 79.5 | 3.1 | 6.6 | 1.0 | 20 | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 50s - 80s | ~1.3 inch |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | 25 | | |
| 5173 / 1 / A / Office area ambient air with filter | | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area ambient air without filter | 13:51 | | 0.1 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | 15:28 | | 1.8 | 19.2 | 2.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | 15:28 | | 1.8 | 19.0 | 2.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | 15:35 | | 126.8 | 4.3 | 6.5 | 0.8 | 16 | | |
| 5173 / 1 / C / Storage area without filter | 15:35 | | 126.8 | 4.4 | 6.8 | 1.1 | 23 | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 80s |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | -- | 86.4 | 1.9 | 7.6 | 1.4 | 25 | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | -- | 235.1 | 2.4 | 7.4 | 1.8 | 37 | | |

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|---|
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 70s - 80s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 | 32 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/3/2013 | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 80s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.0 | 19.0 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.0 | 19.0 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:47 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:47 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:05 | 5.0 | 7.7 | 10.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:05 | 5.0 | 7.7 | 11.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:25 | 217 | 3.3 | 6.5 | 1.2 | 25 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:25 | 217 | 3.0 | 7.4 | 1.6 | 32 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/11/2013 | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:20 | 2.4 | 19.3 | 1.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:20 | 2.4 | 19.2 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:25 | 102.6 | 1.7 | 7.8 | 1.2 | 24 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:25 | 102.6 | 1.9 | 8.0 | 1.8 | 35 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 7/18/2013 | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:34 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 15:16 | | 1.9 | 19.7 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 15:16 | | 1.9 | 19.8 | 1.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 15:09 | | 5.0 | 8.0 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | 15:09 | | 5.0 | 7.7 | 11.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:45 | | 126.3 | 2.0 | 8.0 | 1.3 | 25 | | | |
| 5173 / 1 / C / Storage area without filter | 15:45 | | 126.3 | 2.9 | 8.0 | 1.9 | 37 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/25/2013 | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 50s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:46 | 2.4 | 19.6 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:46 | 2.4 | 19.6 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:16 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:16 | 0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:51 | 113.6 | 2.7 | 7.4 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:51 | 113.6 | 2.8 | 7.7 | 1.9 | 38 | | | |

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | |
|--|--|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|---|
| 5173 / 1 / A / Office area ambient air with filter | 8/1/2013 | 13:34 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | 60s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 1.0 | 18.9 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 1.0 | 19.0 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:35 | 0.9 | 7.4 | 11.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:35 | 0.9 | 7.5 | 11.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:46 | 173.9 | 2.1 | 6.7 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:46 | 173.9 | 2.5 | 7.4 | 2.1 | 41 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/6/2013 | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 60s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.5 | 18.7 | 2.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.5 | 18.6 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:04 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:04 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 151.3 | 2.6 | 7.0 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 151.3 | 3.0 | 7.0 | 2.2 | 44 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 8/15/2013 | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:52 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 13:51 | | 0.3 | 19.3 | 2.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 13:51 | | 0.3 | 19.2 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:50 | | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:50 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 13:45 | | 1.8 | 6.4 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | 13:45 | | 1.8 | 6.6 | 11.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:54 | | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:54 | | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 13:57 | | 85.8 | 2.3 | 6.6 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | 13:57 | | 85.8 | 2.8 | 6.7 | 2.0 | 40 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/22/2013 | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 91.2 | 1.6 | 7.0 | 1.4 | 28 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 91.2 | 1.8 | 7.0 | 2.2 | 45 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 8/27/2013 | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | | | 0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:28 | | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 14:30 | | 1.9 | 19.2 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 14:30 | | 1.9 | 19.1 | 1.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:25 | | 0.0 | 20.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:25 | | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:27 | | 0.1 | 20.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:27 | | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:35 | | 91.4 | 3.1 | 6.4 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | 14:35 | | 91.4 | 2.0 | 7.0 | 2.6 | 51 | | | |

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID Time</i> | <i>O₂ (ppm)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--|--------------|---------------------|--------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 9/5/2013 | 15:09 | - | 21.0 | 0.0 | 0 | 50s - 80s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 15:09 | - | 21.1 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 1.0 | 19.2 | 1.1 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 1.0 | 19.1 | 1.2 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | - | 20.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | - | 20.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 15:40 | 1.5 | 6.4 | 11.2 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 15:40 | 1.5 | 6.6 | 11.6 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:16 | - | 20.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:16 | 0 | 2.8 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 85 | 2.3 | 6.9 | 1.6 33 | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 85 | 2.3 | 6.8 | 2.2 45 | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/12/2013 | 14:42 | 0.0 | 21.0 | 0.0 | 0 | 60s-80s | 0.29 inches |
| 5173 / 1 / A / Office area ambient air without filter | | 14:42 | 0.0 | 21.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 17:35 | 0.3 | 20.0 | 0.7 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 17:35 | 0.3 | 19.9 | 1.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 17:40 | 0.0 | 6.8 | 11.4 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 17:40 | 0.0 | 6.8 | 11.7 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:04 | 0 | 20.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:04 | 0 | 20.8 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 17:43 | 83.4 | 2.4 | 7.0 | 1.7 33 | | |
| 5173 / 1 / C / Storage area without filter | | 17:43 | 83.4 | 2.4 | 6.9 | 2.3 46 | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2013 | 13:28 | 0.0 | 20.7 | 0.0 | 0 | 60s - 80s | 0.6 inches |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 0.4 | 18.7 | 1.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 0.4 | 18.6 | 1.2 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:24 | 1.2 | 6.5 | 10.6 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:24 | 1.2 | 6.5 | 10.9 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:29 | 88.9 | 2.0 | 6.3 | 1.4 28 | | |
| 5173 / 1 / C / Storage area without filter | | 14:29 | 88.9 | 2.1 | 6.1 | 1.9 38 | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/24/2013 | 13:43 | 0.0 | 20.8 | 0.0 | 0 | 40s - 70s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.9 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:44 | 0.3 | 18.1 | 1.4 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:44 | 0.3 | 18.0 | 1.5 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.8 | 0.1 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:38 | 1.2 | 6.7 | 10.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:38 | 1.2 | 6.7 | 10.6 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.8 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.8 | 0.1 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 113.7 | 2.0 | 5.7 | 1.6 31 | | |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 113.7 | 2.0 | 5.9 | 2.1 41 | | |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|------------------|---------------------------------|--|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | |
| GP-2 (16') without filter | | -- | -- | 2.0 | 11.6 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 4.6 | 10.0 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | |

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|--|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 4/30/2013 | 14:45 | 0.0 | 16.8 | 3.4 | 0.0 | 0.0 | 40s - 70s | None |
| GP-2 (12') with filter | | 14:45 | 0.0 | 17.0 | 0.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:50 | 0.0 | 16.3 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:50 | 0.0 | 16.7 | 1.6 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/9/2013 | 14:41 | 0.0 | 14.8 | 3.3 | 0.0 | 0.0 | 50s - 70s | None |
| GP-2 (12') with filter | | 14:41 | 0.0 | 14.9 | 0.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:45 | 0.0 | 14.1 | 3.8 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 14:45 | 0.0 | 14.5 | 1.5 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/16/2013 | 13:25 | 0.0 | 15.3 | 4.1 | 0.0 | 0.0 | 40s - 80s | ~1 inch |
| GP-2 (12') with filter | | 13:25 | 0.0 | 15.3 | 4.0 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 5/21/2013 | 15:29 | 0.0 | 13.7 | 3.8 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch |
| GP-2 (12') with filter | | 15:29 | 0.0 | 13.8 | 3.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:32 | 0.0 | 12.7 | 4.5 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:32 | 0.0 | 12.8 | 3.0 | 0.0 | 0.0 | | |

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|
| GP-2 (12') without filter | 5/30/2013 | 13:20 | 0.0 | 15.8 | 3.8 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch |
| GP-2 (12') with filter | | 13:20 | 0.0 | 15.8 | 3.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 13:25 | 0.0 | 13.1 | 5.1 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 13:25 | 0.0 | 13.0 | 5.3 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/6/2013 | 14:50 | 0.0 | 16.3 | 4.6 | 0.0 | 0.0 | 60s | 0.25 inch |
| GP-2 (12') with filter | | 14:50 | 0.0 | 16.2 | 4.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 15:00 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 15:00 | 0.0 | 14.7 | 6.2 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/13/2013 | 16:05 | 0.0 | 8.2 | 5.4 | 0.0 | 0.0 | 60s - 80s | 1.55 inch |
| GP-2 (12') with filter | | 16:05 | 0.0 | 7.5 | 5.4 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 16:10 | -- | 5.2 | 6.6 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | 16:10 | -- | 5.1 | 6.4 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/20/2013 | -- | 0.0 | 8.0 | 6.1 | 0.0 | 0.0 | 50s - 80s | None |
| GP-2 (12') with filter | | -- | 0.0 | 8.3 | 5.9 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | -- | -- | 5.3 | 6.5 | 0.0 | 0.0 | | |
| GP-2 (16') with filter | | -- | -- | 5.6 | 6.0 | 0.0 | 0.0 | | |
| GP-2 (12') without filter | 6/27/2013 | 14:06 | 0.6 | 15.9 | 1.5 | 0.0 | 0.0 | 70s - 80s | Trace |
| GP-2 (12') with filter | | 14:06 | 0.6 | 16.3 | 0.2 | 0.0 | 0.0 | | |
| GP-2 (16') without filter | | 14:11 | 43.6 | 3.7 | 2.6 | 1.6 | 30 | | |
| GP-2 (16') with filter | | 14:11 | 43.6 | 2.1 | 3.6 | 1.0 | 20 | | |
| GP-2 (12') without filter | 7/3/2013 | 13:18 | 23.5 | 6.9 | 4.9 | 1.4 | 28 | 60s - 80s | Trace |
| GP-2 (12') with filter | | 13:18 | 23.5 | 7.5 | 3.4 | 0.7 | 13 | | |
| GP-2 (16') without filter | | 13:22 | 59.6 | 1.9 | 7.1 | 5.8 | >100 | | |
| GP-2 (16') with filter | | 13:22 | 59.6 | 1.6 | 6.9 | 1.8 | 36 | | |
| GP-2 (12') without filter | 7/11/2013 | 14:45 | 40.4 | 4.0 | 6.5 | 6.5 | >100 | 60s - 70s | None |
| GP-2 (12') with filter | | 14:45 | 40.4 | 4.0 | 4.9 | 3.4 | 68 | | |
| GP-2 (16') without filter | | 14:51 | 55.6 | 4.6 | 6.2 | 11.2 | >100 | | |
| GP-2 (16') with filter | | 14:51 | 55.6 | 3.9 | 5.0 | 2.2 | 44 | | |
| GP-2 (12') without filter | 7/18/2013 | 14:35 | 20.4 | 17.7 | 1.2 | 0.5 | 10 | 70s - 90s | None |
| GP-2 (12') with filter | | 14:35 | 20.4 | 17.7 | 1.0 | 0.2 | 5 | | |
| GP-2 (16') without filter | | 14:41 | 44.3 | 1.9 | 7.4 | 5.1 | >100 | | |
| GP-2 (16') with filter | | 14:41 | 44.3 | 4.7 | 1.8 | 1.8 | 36 | | |
| GP-2 (12') without filter | 7/25/2013 | 14:15 | 38.7 | 4.8 | 6.5 | 3.8 | 75 | 50s - 70s | None |
| GP-2 (12') with filter | | 14:15 | 38.7 | 4.7 | 6.1 | 3.0 | 60 | | |
| GP-2 (16') without filter | | 14:20 | 48.3 | 4.4 | 7.9 | 4.0 | 80 | | |
| GP-2 (16') with filter | | 14:20 | 48.3 | 4.2 | 8.3 | 3.3 | 65 | | |
| GP-2 (12') without filter | 8/1/2013 | 14:00 | 83.5 | 8.1 | 5.3 | 1.4 | 28 | 60s - 80s | None |
| GP-2 (12') with filter | | 14:00 | 83.5 | 6.2 | 4.9 | 1.1 | 21 | | |
| GP-2 (16') without filter | | 14:05 | 89.8 | 4.1 | 7.3 | 2.8 | 55 | | |
| GP-2 (16') with filter | | 14:05 | 89.8 | 3.1 | 7.2 | 1.8 | 35 | | |
| GP-2 (12') without filter | 8/6/2013 | 14:06 | 10.5 | 3.9 | 7.6 | 1.3 | 27 | 60s - 80s | None |
| GP-2 (12') with filter | | 14:06 | 10.5 | 3.7 | 5.9 | 1.0 | 21 | | |
| GP-2 (16') without filter | | 14:10 | 31.6 | 4.3 | 7.4 | 2.5 | 51 | | |
| GP-2 (16') with filter | | 14:10 | 31.6 | 3.1 | 6.1 | 1.7 | 34 | | |
| GP-2 (12') without filter | 8/15/2013 | 13:35 | 16.6 | 7.9 | 3.1 | 2.0 | 40 | 40s - 70s | None |
| GP-2 (12') with filter | | 13:35 | 16.6 | 7.7 | 3.3 | 1.6 | 32 | | |
| GP-2 (16') without filter | | 13:40 | 20.6 | 1.5 | 6.2 | 2.2 | 44 | | |
| GP-2 (16') with filter | | 13:40 | 20.6 | 1.4 | 7.5 | 2.0 | 40 | | |
| GP-2 (12') without filter | 8/22/2013 | 14:41 | 33.9 | 3.2 | 8.0 | 2.3 | 47 | 60s - 80s | Trace (0.06 in.) |
| GP-2 (12') with filter | | 14:41 | 33.9 | 3.2 | 8.4 | 2.0 | 41 | | |
| GP-2 (16') without filter | | 14:45 | 55.0 | 1.8 | 8.5 | 4.3 | 87 | | |
| GP-2 (16') with filter | | 14:45 | 55.0 | 1.6 | 8.3 | 2.0 | 41 | | |

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|---------------------------|--------------|---|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|
| GP-2 (12') without filter | 8/27/2013 | 14:21 | 22.8 | 2.5 | 8.4 | 3.7 | 74 | 70s - 80s | None |
| GP-2 (12') with filter | | 14:21 | 22.8 | 2.6 | 8.9 | 1.9 | 39 | | |
| GP-2 (16') without filter | | 14:26 | 39.5 | 2.3 | 8.7 | 7.9 | >100 | | |
| GP-2 (16') with filter | | 14:26 | 39.5 | 2.2 | 9.0 | 6.1 | >100 | | |
| GP-2 (12') without filter | 9/5/2013 | - | 31.3 | 2.2 | 8.7 | 7.0 | >100 | 50s - 80s | None |
| GP-2 (12') with filter | | - | 31.3 | 2.3 | 6.9 | 3.0 | 58 | | |
| GP-2 (16') without filter | | - | 39.0 | 3.1 | 8.3 | 8.4 | >100 | | |
| GP-2 (16') with filter | | - | 39.0 | 3.7 | 6.5 | 2.8 | 56 | | |
| GP-2 | 9/12/2013 | Inaccessible due to high water/flood conditions | | | | | | 60s - 80s | 0.29 inches |
| GP-2 (12') without filter | 9/20/2013 | | 24.7 | 2.6 | 8.7 | 3.2 | 65 | 60s - 80s | 0.6 inches |
| GP-2 (12') with filter | | | 24.7 | 2.1 | 8.1 | 1.8 | 34 | | |
| GP-2 (16') without filter | | | 40.4 | 1.4 | 9.6 | 7.0 | >100 | | |
| GP-2 (16') with filter | | | 40.4 | 1.5 | 8.9 | 2.1 | 42 | | |
| GP-2 (12') without filter | 9/24/2013 | 14:27 | 55.7 | 1.8 | 9.6 | 3.6 | 71 | 40s - 70s | None |
| GP-2 (12') with filter | | 14:27 | 55.7 | 1.9 | 9.2 | 3.3 | 67 | | |
| GP-2 (16') without filter | | 14:33 | 68.4 | 1.5 | 10.0 | 4.3 | 86 | | |
| GP-2 (16') with filter | | 14:33 | 68.4 | 1.6 | 10.6 | 3.9 | 78 | | |

Notes:

[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

TABLE 4

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP22-13 (20') without filter | 7/11/2013 | 14:55 | 0.1 | 8.4 | 3.4 | 0.0 | 0 | 60s - 70s | None |
| GP22-13 (20') with filter | | 14:55 | 0.1 | 8.4 | 3.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 15:01 | 0.9 | 15.6 | 3.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:01 | 0.9 | 15.0 | 2.1 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 10.1 | 7.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 8.6 | 7.5 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:10 | 0.3 | 11.5 | 6.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:10 | 0.3 | 11.4 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') without filter | 7/18/2013 | 15:31 | 0.0 | 16.2 | 3.0 | 0.0 | 0 | 70s - 90s | None |
| GP-7 (8') with filter | | 15:31 | 0.0 | 16.1 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 15:31 | 0.0 | 13.0 | 5.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 15:31 | 0.0 | 13.4 | 4.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 15:25 | 0.1 | 0.9 | 10.2 | 0.5 | 12 | | |
| GP12-09 (6') with filter | | 15:25 | 0.1 | 1.2 | 11.3 | 0.6 | 12 | | |
| GP22-13 (20') without filter | | 14:45 | 0.3 | 14.5 | 1.0 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:45 | 0.3 | 14.6 | 1.3 | 0.1 | 1 | | |
| GP23-13 (18.5') without filter | | 14:51 | 0.0 | 12.2 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:51 | 0.0 | 12.4 | 6.0 | 0.1 | 1 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.4 | 4.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.2 | 4.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | 7/25/2013 | 15:02 | 0.0 | 14.1 | 4.9 | 0.0 | 0 | 50s - 70s | None |
| GP24B-13 (4.5') with filter | | 15:02 | 0.0 | 16.8 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:24 | 0.0 | 16.8 | 3.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:24 | 0.0 | 16.7 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:24 | 0.0 | 13.2 | 5.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:24 | 0.0 | 13.2 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:24 | 0.0 | 10.4 | 6.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:24 | 0.0 | 10.4 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:37 | 0.6 | 18.0 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:37 | 0.6 | 18.0 | 4.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:42 | 0.0 | 14.1 | 4.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:42 | 0.0 | 14.2 | 4.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/1/2013 | 14:11 | 0.0 | 12.4 | 5.9 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 14:11 | 0.0 | 12.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:17 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:17 | 0.0 | 16.4 | 3.0 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:17 | 0.0 | 13.2 | 4.7 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:17 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:17 | 0.0 | 11.4 | 6.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:17 | 0.0 | 11.1 | 6.1 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:30 | 0.1 | 7.8 | 7.3 | 0.3 | 6 | | |
| GP12-09 (6') with filter | | 14:30 | 0.1 | 8.3 | 7.8 | 0.2 | 4 | | |

TABLE 4

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP23-13 (18.5') without filter | 8/6/2013 | 13:56 | 0.1 | 12.6 | 5.4 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 13:56 | 0.1 | 10.4 | 5.8 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:40 | 0.0 | 16.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:40 | 0.0 | 16.1 | 4.5 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:40 | 0.0 | 13.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:40 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:40 | 0.0 | 10.5 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:40 | 0.0 | 10.6 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 8/15/2013 | 14:01 | 0.3 | 8.7 | 6.4 | 0.0 | 0 | 40s - 70s | None |
| GP12-09 (6') with filter | | 14:01 | 0.3 | 8.9 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:05 | 0.0 | 20.2 | 1.3 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:05 | 0.0 | 19.8 | 1.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:11 | 0.0 | 11.1 | 6.7 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:11 | 0.0 | 9.4 | 6.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:17 | 0.0 | 12.8 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:17 | 0.0 | 14.5 | 4.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | 8/22/2013 | 13:17 | 0.0 | 13.0 | 4.9 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) |
| GP-7 (12') with filter | | 13:17 | 0.0 | 13.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:17 | 0.0 | 9.3 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:17 | 0.0 | 9.1 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:21 | 0.0 | 0.9 | 12.0 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:21 | 0.0 | 0.9 | 11.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:15 | 0.0 | 10.4 | 6.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:15 | 0.0 | 10.6 | 6.1 | 0.0 | 0 | | |
| GP-7 (8') without filter | 8/27/2013 | 14:26 | 0.0 | 10.4 | 7.0 | 0.0 | 0 | 70s - 80s | None |
| GP-7 (8') with filter | | 14:26 | 0.0 | 10.2 | 6.4 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:26 | 0.0 | 9.5 | 7.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:26 | 0.0 | 9.2 | 7.2 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:26 | 0.0 | 8.2 | 7.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:26 | 0.0 | 8.4 | 7.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:55 | 0.3 | 1.6 | 11.9 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:55 | 0.3 | 1.5 | 11.2 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/27/2013 | 14:01 | 0.1 | 10.5 | 7.5 | 0.0 | 0 | 70s - 80s | None |
| GP23-13 (18.5') with filter | | 14:01 | 0.1 | 8.6 | 8.2 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:05 | 0.0 | 11.1 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:05 | 0.0 | 10.4 | 7.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:05 | 0.1 | 9.8 | 7.6 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:05 | 0.1 | 9.2 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:05 | 0.1 | 8.9 | 7.8 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:05 | 0.1 | 8.9 | 7.5 | 0.0 | 0 | | |

TABLE 4

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP12-09 (6') without filter | 9/5/2013 | - | 0.0 | 17.9 | 3.1 | 0.1 | 1 | 50s - 80s | None |
| GP12-09 (6') with filter | | - | 0.0 | 17.5 | 3.7 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | - | 0.3 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | - | 0.3 | 11.7 | 5.5 | 0.0 | 0 | | |
| GP-7 (8') without filter | | - | 0.0 | 11.0 | 7.2 | 0.0 | 0 | | |
| GP-7 (8') with filter | | - | 0.0 | 11.3 | 5.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | - | 0.0 | 10.3 | 7.5 | 0.0 | 0 | | |
| GP-7 (12') with filter | | - | 0.0 | 10.6 | 6.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | 9/12/2013 | - | 0.0 | 8.4 | 8.6 | 0.0 | 0 | 60-80s | 0.29 inches |
| GP-7 (16') with filter | | - | 0.0 | 8.4 | 7.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 17:45 | 0.0 | 10.4 | 8.1 | 0.1 | 2 | | |
| GP23-13 (18.5') with filter | | 17:45 | 0.0 | 10.7 | 6.4 | 0.1 | 2 | | |
| GP-7 (8') without filter | | -- | 0.0 | 10.9 | 7.6 | 0.0 | 0 | | |
| GP-7 (8') with filter | | -- | 0.0 | 10.8 | 7.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | -- | 0.1 | 8.3 | 9.3 | 0.0 | 0 | | |
| GP-7 (12') with filter | | -- | 0.1 | 8.2 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') without filter | | -- | -- | 7.8 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') with filter | | -- | -- | 7.9 | 8.7 | 0.0 | 0 | | |

Notes:

PID - Photoionization Detector
 O₂ - Oxygen
 CO₂ - Carbon Dioxide
 CH₄ - Methane
 LEL - Lower Explosive Limit
 NM - Not measured
 U - Qualified as non-detect due to issues with the filter
 Value - Value is greater than LEL for methane (5 percent methane)



**CONESTOGA-ROVERS
& ASSOCIATES**

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November 7, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: October 1 through 31, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of October 1 through 31, 2013.

The next Progress Report for the month of November 2013 will be submitted on or before December 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

RI/FS ASAOC Developments

On October 3, 2013, CRA collected a water sample from the pumping well located at 2447 East River Road.

On October 17, 2013, USEPA, Ohio EPA, CH2M Hill, the Respondents, and CRA participated in a conference call regarding the status of the OU2 RI/FS. USEPA and CRA agreed that



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individual media-specific work plans would be submitted following USEPA-approval of the OU2 RI/FS Work Plan. Ohio EPA provided notification regarding Site preparations for the dive in the Quarry Pond, scheduled for October 23, 2013. The dive itself will be scheduled at a later date. Next steps included a conference call between USEPA and the Respondents to discuss access refusal by Jim City property owners, and Ohio EPA follow-up with Ohio Division of Materials and Waste Management regarding the tires leading to the Quarry Pond from the Jim City property.

On October 22, 2013, USEPA and the Respondents had a conference call to discuss the access issues associated with the Jim City property, Parcels 3753 and 4423. USEPA agreed to contact the owners of the Jim City property to discuss the access issues.

On October 30, 2013, USEPA issued comments on the proposal for monitoring well and vertical aquifer sampling locations for Phase 1B and 2A, dated September 20, 2013.

On October 31, 2013, USEPA, Ohio EPA, CH2M Hill, the Respondents, and CRA participated in a conference call regarding the status of the OU2 RI/FS, Phase 1A summary, and proposal for Phase 1B and 2A investigative locations.

Removal Action ASAOC Developments

On October 3, 10, 17, 24, and 31, 2013, USEPA, Ohio EPA, the USEPA START contractor, and the Respondents participated in conference calls regarding the status of vapor intrusion (VI) mitigation.

During the October conference calls, the participants discussed the following topics:

- Receipt of approval from the property management company and tenant for sub-slab depressurization system (SSDS) changes at B&G Trucking Building 8.
- USEPA's goal is to have buildings remediated to the extent that indoor air and sub-slab soil vapor sample concentrations are less than screening levels.
- Request from the property owner representatives and property management company that proof of successful SSDS operation for Building 12 (Overstreet Painting and S&J Precision) be provided before access would be granted to additional buildings for completion of mitigation.
- Methane field readings from USEPA probe GP-2 and SIM Trainer Building 15.



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- Based on methane field screening completed to date, a landfill gas perimeter system is not required.
- Preparation of a VI Mitigation Work Plan addendum addressing hybrid proficiency sampling.

On October 23, 2013, CRA provided USEPA, Ohio EPA, CSS-Dynamac, and the Respondents with post-installation radius of influence vacuum readings for B&G Trucking Building 9 and Building 12 (Overstreet Painting and S&J Precision), measured on October 11, 2013. CRA proposed to complete regular (i.e., indoor air only) proficiency sampling for B&G Trucking Building 9 and hybrid proficiency samples for Building 12 (Overstreet Painting and S&J Precision), based on the vacuum readings.

On October 24, 2013, CRA and CSS-Dynamac completed proficiency sampling at B&G Trucking Building 9, and hybrid proficiency sampling at Building 12 (Overstreet Painting and S&J Precision).

On October 23, 2013, CRA provided USEPA and CSS-Dynamac with a draft letter that summarized the 30-day hybrid proficiency sample results for Globe Equipment Building 24. On October 24, 2013, USEPA approved the letter, and CRA issued the final letter to Globe Equipment by electronic mail (e-mail), and hard-copy.

On October 28, 2013, CRA provided Globe Equipment, USEPA, Ohio EPA, Ohio Department of Health, and the Respondents with an electronic copy of the Operation, Maintenance, and Monitoring (OM&M) Plan for the SSDS installed at Globe Equipment Building 24, located at 2215 East River Road.

On October 24, 2013, Ohio-licensed radon contractor, Environmental Doctor, received a City of Moraine Electrical Permit for 2015 Dryden Road, Overstreet Painting Building 12.

The Respondents completed weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from SIM Trainer Parcel 5173 Building 15, at 2031 Dryden Road in August. The field screening values for SIM Trainer Building 15 are provided in Table 1. Table 2 presents field screening values measured by the Respondents in USEPA soil gas probe GP-2. Table 3 presents field screening values for soil gas probes located on the western side of Dryden Road, on the Site, across from GP-2.



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SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As previously discussed with USEPA, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation has had, and will have, on their business. The Respondents will continue to work with USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.
- The Respondents will install an intrinsically safe SSDS at SIM Trainer Building 15, located at 2031 Dryden Road, and implement system changes to the system at B&G Trucking Building 8, located at 1951 Dryden Road.
- The Respondents will submit the following to USEPA:
 - Wetland Delineation Summary Report
 - Individual OU2 Work Plans
 - QAPP update and revision



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& ASSOCIATES**

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Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley

VC/cb/11

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Madelyn Smith, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel/Building/Probe</i> | <i>Date:</i> | <i>PID Time</i> | <i>O₂ (ppm)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> |
|---|--------------|---------------------|--------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|--------------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0.0 | ND(1) ¹ | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1.0 | 3.3 | 0.8 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3.0 | 0.0 | 0 | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3.0 | 5.1 | 1.1 | 24 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 17:1 | 3.9 | 1.9 | 0.9 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3.0 | 0.5 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 43 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 21 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 36 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 25 | | | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | 0 | low 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0 | 80 - low 90s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 39 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 57 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|--|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | | |
| 5173 / 1 / A / Office area ambient air without filter | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | | | | 38 |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | | | | 58 |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | | |
| 5173 / 1 / C / Storage area without filter | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | low 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | | | | 41 |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | | | | 52 |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | 60s - 70s | none | |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | mid 60s | light rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | | | | 40 |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | | | | 56 |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | mid 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | | | | 38 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|------------|-------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 30s - 40s | snow & rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 50s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 40s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | | | | 22 |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | | | | 30 |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 50s | rainy (~0.3 inches) | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | | | | 27 |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 40s | sunny | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | | | | 1 U |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | | | | 2 U |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | | | | 1 U |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | | | | 1 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | | | | 2 U |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 30s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | | | | 5 |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | | | | 10 |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel/Building/Probe</i> | <i>Date:</i> | <i>PID Time</i> | <i>O₂ (ppm)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> |
|--|--------------|---------------------|--------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|--------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 10s - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 20s - 50s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | 19 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 20s | trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | | |
| 5173 / 1 / C / Storage area without filter | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 30s - 40s | ~1 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 30s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | | | | 8 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | | | | 15 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 20s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | | | | 8 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 20s - 30s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | | | | 11 |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | | | | 7 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | | | | 8 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:23 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:19 | | 1.1 | 15.5 | 3.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:19 | | 1.1 | 15.6 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:26 | | 1.3 | 6.5 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:26 | | 1.3 | 10.0 | 6.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:31 | | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | 14:31 | | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | 0.0 | 50s - 60s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:09 | 0.0 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 0.3 | 16.1 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 0.3 | 15.9 | 4.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:52 | 0.0 | 20.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:52 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 0.2 | 6.9 | 10.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 0.2 | 6.9 | 10.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:00 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:00 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:04 | 77.6 | 3.5 | 4.1 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 15:04 | 77.6 | 3.5 | 4.6 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:39 | | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:58 | | 0.0 | 16.7 | 3.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:58 | | 0.0 | 16.6 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:16 | | 0.0 | 20.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:16 | | 0.0 | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:02 | | 0.5 | 7.1 | 9.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:02 | | 0.5 | 6.8 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:21 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:21 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:06 | | 60.1 | 2.5 | 5.8 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | 15:06 | | 60.1 | 2.6 | 4.9 | 0.8 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 50s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 12:30 | | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 13:48 | | 1.0 | 18.1 | 2.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 13:48 | | 1.0 | 17.9 | 3.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:33 | | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:33 | | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:31 | | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:31 | | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 13:59 | | 120.3 | 1.8 | 6.5 | 0.8 | 15 | | | |
| 5173 / 1 / C / Storage area without filter | 13:59 | | 120.3 | 1.5 | 6.6 | 1.1 | 22 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:37 | 0.0 | 18.8 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:37 | 0.0 | 18.7 | 2.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.0 | 19.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.0 | 19.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.9 | 6.7 | 12.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.9 | 6.8 | 12.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:44 | 79.5 | 3.1 | 7.0 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 15:44 | 79.5 | 3.1 | 6.6 | 1.0 | | | | 20 |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | | | | 17 |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:51 | | 0.1 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:28 | | 1.8 | 19.2 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:28 | | 1.8 | 19.0 | 2.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:35 | | 126.8 | 4.3 | 6.5 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | 15:35 | | 126.8 | 4.4 | 6.8 | 1.1 | 23 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 60s - 80s | 1.55 inches | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | -- | 86.4 | 1.9 | 7.6 | 1.4 | 25 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 | | | | 21 |
| 5173 / 1 / C / Storage area without filter | | -- | 235.1 | 2.4 | 7.4 | 1.8 | | | | 37 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 70s - 80s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 | | | | 26 |
| 5173 / 1 / C / Storage area without filter | | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 | | | | 32 |
| 5173 / 1 / A / Office area ambient air with filter | 7/3/2013 | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 80s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.0 | 19.0 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.0 | 19.0 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:47 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:47 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:05 | 5.0 | 7.7 | 10.9 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:05 | 5.0 | 7.7 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:25 | 217 | 3.3 | 6.5 | 1.2 | | | | 25 |
| 5173 / 1 / C / Storage area without filter | | 13:25 | 217 | 3.0 | 7.4 | 1.6 | | | | 32 |
| 5173 / 1 / A / Office area ambient air with filter | 7/11/2013 | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:20 | 2.4 | 19.3 | 1.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:20 | 2.4 | 19.2 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:25 | 102.6 | 1.7 | 7.8 | 1.2 | | | | 24 |
| 5173 / 1 / C / Storage area without filter | | 15:25 | 102.6 | 1.9 | 8.0 | 1.8 | | | | 35 |
| 5173 / 1 / A / Office area ambient air with filter | | 7/18/2013 | 12:34 | 0.0 | 20.7 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:34 | | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:16 | | 1.9 | 19.7 | 1.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:16 | | 1.9 | 19.8 | 1.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:09 | | 5.0 | 8.0 | 11.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:09 | | 5.0 | 7.7 | 11.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:45 | | 126.3 | 2.0 | 8.0 | 1.3 | 25 | | | |
| 5173 / 1 / C / Storage area without filter | 15:45 | | 126.3 | 2.9 | 8.0 | 1.9 | 37 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/25/2013 | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:46 | 2.4 | 19.6 | 1.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:46 | 2.4 | 19.6 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:16 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:16 | 0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:51 | 113.6 | 2.7 | 7.4 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | | 14:51 | 113.6 | 2.8 | 7.7 | 1.9 | | | | 38 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 8/1/2013 | 13:34 | 0.0 | 20.8 | 0.1 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 1.0 | 18.9 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 1.0 | 19.0 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:35 | 0.9 | 7.4 | 11.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:35 | 0.9 | 7.5 | 11.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:46 | 173.9 | 2.1 | 6.7 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | | 14:46 | 173.9 | 2.5 | 7.4 | 2.1 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 8/6/2013 | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.5 | 18.7 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.5 | 18.6 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:04 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:04 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 151.3 | 2.6 | 7.0 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 151.3 | 3.0 | 7.0 | 2.2 | | | | 44 |
| 5173 / 1 / A / Office area ambient air with filter | | 8/15/2013 | 12:52 | 0.0 | 20.8 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:52 | | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 13:51 | | 0.3 | 19.3 | 2.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 13:51 | | 0.3 | 19.2 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:50 | | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:50 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 13:45 | | 1.8 | 6.4 | 11.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 13:45 | | 1.8 | 6.6 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:54 | | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:54 | | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 13:57 | | 85.8 | 2.3 | 6.6 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | 13:57 | | 85.8 | 2.8 | 6.7 | 2.0 | 40 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/22/2013 | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 60s - 80s | Trace (0.06 in.) | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 91.2 | 1.6 | 7.0 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 91.2 | 1.8 | 7.0 | 2.2 | | | | 45 |
| 5173 / 1 / A / Office area ambient air with filter | | 8/27/2013 | 13:28 | 0.0 | 20.5 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:28 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:30 | | 1.9 | 19.2 | 1.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:30 | | 1.9 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:25 | | 0.0 | 20.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:25 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:27 | | 0.1 | 20.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:27 | | 0.1 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:35 | | 91.4 | 3.1 | 6.4 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | 14:35 | | 91.4 | 2.0 | 7.0 | 2.6 | 51 | | | |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 9/5/2013 | 15:09 | - | 21.0 | 0.0 | 0.0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:09 | - | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 1.0 | 19.2 | 1.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 1.0 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | - | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | - | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:40 | 1.5 | 6.4 | 11.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:40 | 1.5 | 6.6 | 11.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:16 | - | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:16 | 0 | 2.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 85 | 2.3 | 6.9 | 1.6 | | | | 33 |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 85 | 2.3 | 6.8 | 2.2 | | | | 45 |
| 5173 / 1 / A / Office area ambient air with filter | 9/12/2013 | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | 60s-80s | 0.29 inches | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 17:35 | 0.3 | 20.0 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 17:35 | 0.3 | 19.9 | 1.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 17:40 | 0.0 | 6.8 | 11.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 17:40 | 0.0 | 6.8 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 17:43 | 83.4 | 2.4 | 7.0 | 1.7 | | | | 33 |
| 5173 / 1 / C / Storage area without filter | | 17:43 | 83.4 | 2.4 | 6.9 | 2.3 | | | | 46 |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2013 | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 0.4 | 18.7 | 1.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 0.4 | 18.6 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:24 | 1.2 | 6.5 | 10.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:24 | 1.2 | 6.5 | 10.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:29 | 88.9 | 2.0 | 6.3 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:29 | 88.9 | 2.1 | 6.1 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 9/24/2013 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | 1016 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:44 | 0.3 | 18.1 | 1.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:44 | 0.3 | 18.0 | 1.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:38 | 1.2 | 6.7 | 10.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:38 | 1.2 | 6.7 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 113.7 | 2.0 | 5.7 | 1.6 | | | | 31 |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 113.7 | 2.0 | 5.9 | 2.1 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 10/3/2013 | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:39 | 0.0 | 17.9 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:39 | 0.0 | 17.9 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 121.1 | 1.7 | 5.2 | 1.5 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 121.1 | 1.8 | 5.9 | 2.0 | | | | 40 |
| 5173 / 1 / A / Office area ambient air with filter | 10/10/2013 | 13:26 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | 1020 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:56 | 0.6 | 16.2 | 1.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:56 | 0.6 | 16.2 | 1.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:01 | 1.3 | 6.0 | 9.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:01 | 1.3 | 5.8 | 10.4 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:12 | 91.55 | 2.4 | 5.6 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:12 | 91.55 | 1.8 | 5.2 | 1.9 | | | | 39 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 10/17/2013 | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 40s - 50s | 0.1 inches | 1011 - 1014 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.5 | 16.4 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.5 | 16.3 | 2.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:58 | 138.6 | 2.4 | 4.9 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:58 | 138.6 | 2.2 | 5.2 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 10/24/2013 | 12:26 | 0.0 | 21.0 | 0.1 | 0.0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:26 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:50 | 3.6 | 16.2 | 1.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:50 | 3.6 | 16.0 | 2.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:54 | 223 | 4.3 | 2.5 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 13:54 | 223 | 4.9 | 4.2 | 1.3 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 10/31/2013 | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 60s | 1.25 inches | 1000 - 1010 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 1.5 | 16.6 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 1.5 | 16.8 | 2.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:13 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:13 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:21 | 1.9 | 10.3 | 6.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:21 | 1.9 | 10.3 | 7.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:26 | 0.3 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:26 | 0.3 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:26 | 103.3 | 7.4 | 3.7 | 0.7 | | | | 14 |
| 5173 / 1 / C / Storage area without filter | | 15:26 | 103.3 | 7.4 | 3.2 | 1.0 | | | | 19 |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|------------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | -- | | 2.0 | 11.6 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | | 4.6 | 10.0 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none | | |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none | | |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|--|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none | | |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch | | |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None | | |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace | | |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None | | |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None | | |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/30/2013 | 14:45 | 0.0 | 16.8 | 3.4 | 0.0 | 0.0 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 17.0 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:50 | 0.0 | 16.3 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:50 | 0.0 | 16.7 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/9/2013 | 14:41 | 0.0 | 14.8 | 3.3 | 0.0 | 0.0 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:41 | 0.0 | 14.9 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:45 | 0.0 | 14.1 | 3.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:45 | 0.0 | 14.5 | 1.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/16/2013 | 13:25 | 0.0 | 15.3 | 4.1 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| GP-2 (12') with filter | | 13:25 | 0.0 | 15.3 | 4.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/21/2013 | 15:29 | 0.0 | 13.7 | 3.8 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch | | |
| GP-2 (12') with filter | | 15:29 | 0.0 | 13.8 | 3.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:32 | 0.0 | 12.7 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:32 | 0.0 | 12.8 | 3.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/30/2013 | 13:20 | 0.0 | 15.8 | 3.8 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| GP-2 (12') with filter | | 13:20 | 0.0 | 15.8 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:25 | 0.0 | 13.1 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:25 | 0.0 | 13.0 | 5.3 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/6/2013 | 14:50 | 0.0 | 16.3 | 4.6 | 0.0 | 0.0 | 60s | 0.25 inch | | |
| GP-2 (12') with filter | | 14:50 | 0.0 | 16.2 | 4.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:00 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:00 | 0.0 | 14.7 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/13/2013 | 16:05 | 0.0 | 8.2 | 5.4 | 0.0 | 0.0 | 60s - 80s | 1.55 inch | | |
| GP-2 (12') with filter | | 16:05 | 0.0 | 7.5 | 5.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 16:10 | -- | 5.2 | 6.6 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 16:10 | -- | 5.1 | 6.4 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 6/20/2013 | -- | 0.0 | 8.0 | 6.1 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.3 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | -- | -- | 5.3 | 6.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | -- | -- | 5.6 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/27/2013 | 14:06 | 0.6 | 15.9 | 1.5 | 0.0 | 0.0 | 70s - 80s | Trace | | |
| GP-2 (12') with filter | | 14:06 | 0.6 | 16.3 | 0.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 43.6 | 3.7 | 2.6 | 1.6 | 30 | | | | |
| GP-2 (16') with filter | | 14:11 | 43.6 | 2.1 | 3.6 | 1.0 | 20 | | | | |
| GP-2 (12') without filter | 7/3/2013 | 13:18 | 23.5 | 6.9 | 4.9 | 1.4 | 28 | 60s - 80s | Trace | | |
| GP-2 (12') with filter | | 13:18 | 23.5 | 7.5 | 3.4 | 0.7 | 13 | | | | |
| GP-2 (16') without filter | | 13:22 | 59.6 | 1.9 | 7.1 | 5.8 | >100 | | | | |
| GP-2 (16') with filter | | 13:22 | 59.6 | 1.6 | 6.9 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/11/2013 | 14:45 | 40.4 | 4.0 | 6.5 | 6.5 | >100 | 60s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 40.4 | 4.0 | 4.9 | 3.4 | 68 | | | | |
| GP-2 (16') without filter | | 14:51 | 55.6 | 4.6 | 6.2 | 11.2 | >100 | | | | |
| GP-2 (16') with filter | | 14:51 | 55.6 | 3.9 | 5.0 | 2.2 | 44 | | | | |
| GP-2 (12') without filter | 7/18/2013 | 14:35 | 20.4 | 17.7 | 1.2 | 0.5 | 10 | 70s - 90s | None | | |
| GP-2 (12') with filter | | 14:35 | 20.4 | 17.7 | 1.0 | 0.2 | 5 | | | | |
| GP-2 (16') without filter | | 14:41 | 44.3 | 1.9 | 7.4 | 5.1 | >100 | | | | |
| GP-2 (16') with filter | | 14:41 | 44.3 | 4.7 | 1.8 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/25/2013 | 14:15 | 38.7 | 4.8 | 6.5 | 3.8 | 75 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:15 | 38.7 | 4.7 | 6.1 | 3.0 | 60 | | | | |
| GP-2 (16') without filter | | 14:20 | 48.3 | 4.4 | 7.9 | 4.0 | 80 | | | | |
| GP-2 (16') with filter | | 14:20 | 48.3 | 4.2 | 8.3 | 3.3 | 65 | | | | |
| GP-2 (12') without filter | 8/1/2013 | 14:00 | 83.5 | 8.1 | 5.3 | 1.4 | 28 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:00 | 83.5 | 6.2 | 4.9 | 1.1 | 21 | | | | |
| GP-2 (16') without filter | | 14:05 | 89.8 | 4.1 | 7.3 | 2.8 | 55 | | | | |
| GP-2 (16') with filter | | 14:05 | 89.8 | 3.1 | 7.2 | 1.8 | 35 | | | | |
| GP-2 (12') without filter | 8/6/2013 | 14:06 | 10.5 | 3.9 | 7.6 | 1.3 | 27 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:06 | 10.5 | 3.7 | 5.9 | 1.0 | 21 | | | | |
| GP-2 (16') without filter | | 14:10 | 31.6 | 4.3 | 7.4 | 2.5 | 51 | | | | |
| GP-2 (16') with filter | | 14:10 | 31.6 | 3.1 | 6.1 | 1.7 | 34 | | | | |
| GP-2 (12') without filter | 8/15/2013 | 13:35 | 16.6 | 7.9 | 3.1 | 2.0 | 40 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 13:35 | 16.6 | 7.7 | 3.3 | 1.6 | 32 | | | | |
| GP-2 (16') without filter | | 13:40 | 20.6 | 1.5 | 6.2 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:40 | 20.6 | 1.4 | 7.5 | 2.0 | 40 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|---|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 8/22/2013 | 14:41 | 33.9 | 3.2 | 8.0 | 2.3 | 47 | 60s - 80s | Trace (0.06 in.) | | |
| GP-2 (12') with filter | | 14:41 | 33.9 | 3.2 | 8.4 | 2.0 | 41 | | | | |
| GP-2 (16') without filter | | 14:45 | 55.0 | 1.8 | 8.5 | 4.3 | 87 | | | | |
| GP-2 (16') with filter | | 14:45 | 55.0 | 1.6 | 8.3 | 2.0 | 41 | | | | |
| GP-2 (12') without filter | 8/27/2013 | 14:21 | 22.8 | 2.5 | 8.4 | 3.7 | 74 | 70s - 80s | None | | |
| GP-2 (12') with filter | | 14:21 | 22.8 | 2.6 | 8.9 | 1.9 | 39 | | | | |
| GP-2 (16') without filter | | 14:26 | 39.5 | 2.3 | 8.7 | 7.9 | >100 | | | | |
| GP-2 (16') with filter | | 14:26 | 39.5 | 2.2 | 9.0 | 6.1 | >100 | | | | |
| GP-2 (12') without filter | 9/5/2013 | - | 31.3 | 2.2 | 8.7 | 7.0 | >100 | 50s - 80s | None | | |
| GP-2 (12') with filter | | - | 31.3 | 2.3 | 6.9 | 3.0 | 58 | | | | |
| GP-2 (16') without filter | | - | 39.0 | 3.1 | 8.3 | 8.4 | >100 | | | | |
| GP-2 (16') with filter | | - | 39.0 | 3.7 | 6.5 | 2.8 | 56 | | | | |
| GP-2 | 9/12/2013 | Inaccessible due to high water/flood conditions | | | | | | 60s - 80s | 0.29 inches | | |
| GP-2 (12') without filter | 9/20/2013 | | 24.7 | 2.6 | 8.7 | 3.2 | 65 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| GP-2 (12') with filter | | | 24.7 | 2.1 | 8.1 | 1.8 | 34 | | | | |
| GP-2 (16') without filter | | | 40.4 | 1.4 | 9.6 | 7.0 | >100 | | | | |
| GP-2 (16') with filter | | | 40.4 | 1.5 | 8.9 | 2.1 | 42 | | | | |
| GP-2 (12') without filter | 9/24/2013 | 14:27 | 55.7 | 1.8 | 9.6 | 3.6 | 71 | 40s - 70s | None | 1016 - 1018 | |
| GP-2 (12') with filter | | 14:27 | 55.7 | 1.9 | 9.2 | 3.3 | 67 | | | | |
| GP-2 (16') without filter | | 14:33 | 68.4 | 1.5 | 10.0 | 4.3 | 86 | | | | |
| GP-2 (16') with filter | | 14:33 | 68.4 | 1.6 | 10.6 | 3.9 | 78 | | | | |
| GP-2 (12') without filter | 10/3/2013 | 13:27 | 0.9 | 6.8 | 7.2 | 1.3 | 25 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| GP-2 (12') with filter | | 13:27 | 0.9 | 6.9 | 5.8 | 1.1 | 17 | | | | |
| GP-2 (16') without filter | | 13:35 | 53.6 | 3.6 | 8.9 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:35 | 53.6 | 3.3 | 7.5 | 1.4 | 27 | | | | |
| GP-2 (12') without filter | 10/10/2013 | 13:41 | 18.6 | 0.7 | 10.3 | 1.9 | 38 | 40s - 70s | None | 1020 - 1022 | |
| GP-2 (12') with filter | | 13:41 | 18.6 | 0.5 | 10.2 | 1.3 | 27 | | | | |
| GP-2 (16') without filter | | 13:47 | 22.6 | 0.9 | 10.3 | 1.9 | 39 | | | | |
| GP-2 (16') with filter | | 13:47 | 22.6 | 1.7 | 9.0 | 1.2 | 25 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 10/17/2013 | 14:46 | 22.8 | 1.2 | 10.5 | 1.4 | 28 | 40s - 50s | 0.1 inches | 1011 - 1014 | MW-7: 18.56 |
| GP-2 (12') with filter | | 14:46 | 22.8 | 7.5 | 6.8 | 0.8 | 16 | | | | MW-8: 18.70 |
| GP-2 (16') without filter | | 14:50 | 23.1 | 1.3 | 10.6 | 1.5 | 29 | | | | MW-11: 20.31 |
| GP-2 (16') with filter | | 14:50 | 23.1 | 1.5 | 10.1 | 1.2 | 23 | | | | MW-12: 20.39 |
| GP-2 (12') without filter | 10/24/2013 | 13:42 | 0.0 | 1.5 | 10.9 | 0.0 | 0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | MW-7: 18.69 |
| GP-2 (12') with filter | | 13:42 | 0.0 | 1.6 | 10.2 | 0.0 | 0 | | | | MW-8: 18.83 |
| GP-2 (16') without filter | | 13:47 | 5.6 | 4.6 | 9.6 | 0.0 | 0 | | | | MW-11: 20.66 |
| GP-2 (16') with filter | | 13:47 | 5.6 | 4.9 | 8.6 | 0.0 | 0 | | | | MW-12: 20.44 |
| GP-2 (12') without filter | 10/31/2013 | 15:07 | 0.0 | 6.3 | 8.2 | 0.0 | 0 | 60s | 1.25 inches | 1000 - 1010 | MW-7: 18.71 |
| GP-2 (12') with filter | | 15:07 | 0.0 | 6.4 | 7.3 | 0.0 | 0 | | | | MW-8: 18.87 |
| GP-2 (16') without filter | | 15:13 | 1.1 | 6.4 | 8.3 | 0.0 | 0 | | | | MW-11: 20.69 |
| GP-2 (16') with filter | | 15:13 | 1.1 | 6.7 | 7.5 | 0.0 | 0 | | | | MW-12: 20.47 |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP22-13 (20') without filter | 7/11/2013 | 14:55 | 0.1 | 8.4 | 3.4 | 0.0 | 0 | 60s - 70s | None |
| GP22-13 (20') with filter | | 14:55 | 0.1 | 8.4 | 3.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 15:01 | 0.9 | 15.6 | 3.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:01 | 0.9 | 15.0 | 2.1 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 10.1 | 7.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 8.6 | 7.5 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:10 | 0.3 | 11.5 | 6.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:10 | 0.3 | 11.4 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') without filter | 7/18/2013 | 15:31 | 0.0 | 16.2 | 3.0 | 0.0 | 0 | 70s - 90s | None |
| GP-7 (8') with filter | | 15:31 | 0.0 | 16.1 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 15:31 | 0.0 | 13.0 | 5.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 15:31 | 0.0 | 13.4 | 4.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 15:25 | 0.1 | 0.9 | 10.2 | 0.5 | 12 | | |
| GP12-09 (6') with filter | | 15:25 | 0.1 | 1.2 | 11.3 | 0.6 | 12 | | |
| GP22-13 (20') without filter | | 14:45 | 0.3 | 14.5 | 1.0 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:45 | 0.3 | 14.6 | 1.3 | 0.1 | 1 | | |
| GP23-13 (18.5') without filter | | 14:51 | 0.0 | 12.2 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:51 | 0.0 | 12.4 | 6.0 | 0.1 | 1 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.4 | 4.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.2 | 4.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | 7/25/2013 | 15:02 | 0.0 | 14.1 | 4.9 | 0.0 | 0 | 50s - 70s | None |
| GP24B-13 (4.5') with filter | | 15:02 | 0.0 | 16.8 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:24 | 0.0 | 16.8 | 3.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:24 | 0.0 | 16.7 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:24 | 0.0 | 13.2 | 5.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:24 | 0.0 | 13.2 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:24 | 0.0 | 10.4 | 6.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:24 | 0.0 | 10.4 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:37 | 0.6 | 18.0 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:37 | 0.6 | 18.0 | 4.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:42 | 0.0 | 14.1 | 4.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:42 | 0.0 | 14.2 | 4.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/1/2013 | 14:11 | 0.0 | 12.4 | 5.9 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 14:11 | 0.0 | 12.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:17 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:17 | 0.0 | 16.4 | 3.0 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:17 | 0.0 | 13.2 | 4.7 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:17 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:17 | 0.0 | 11.4 | 6.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:17 | 0.0 | 11.1 | 6.1 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:30 | 0.1 | 7.8 | 7.3 | 0.3 | 6 | | |
| GP12-09 (6') with filter | | 14:30 | 0.1 | 8.3 | 7.8 | 0.2 | 4 | | |

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP23-13 (18.5') without filter | 8/6/2013 | 13:56 | 0.1 | 12.6 | 5.4 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 13:56 | 0.1 | 10.4 | 5.8 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:40 | 0.0 | 16.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:40 | 0.0 | 16.1 | 4.5 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:40 | 0.0 | 13.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:40 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:40 | 0.0 | 10.5 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:40 | 0.0 | 10.6 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 8/15/2013 | 14:01 | 0.3 | 8.7 | 6.4 | 0.0 | 0 | 40s - 70s | None |
| GP12-09 (6') with filter | | 14:01 | 0.3 | 8.9 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:05 | 0.0 | 20.2 | 1.3 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:05 | 0.0 | 19.8 | 1.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:11 | 0.0 | 11.1 | 6.7 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:11 | 0.0 | 9.4 | 6.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:17 | 0.0 | 12.8 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:17 | 0.0 | 14.5 | 4.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | 8/22/2013 | 13:17 | 0.0 | 13.0 | 4.9 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) |
| GP-7 (12') with filter | | 13:17 | 0.0 | 13.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:17 | 0.0 | 9.3 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:17 | 0.0 | 9.1 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:21 | 0.0 | 0.9 | 12.0 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:21 | 0.0 | 0.9 | 11.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:15 | 0.0 | 10.4 | 6.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:15 | 0.0 | 10.6 | 6.1 | 0.0 | 0 | | |
| GP-7 (8') without filter | 8/27/2013 | 14:26 | 0.0 | 10.4 | 7.0 | 0.0 | 0 | 70s - 80s | None |
| GP-7 (8') with filter | | 14:26 | 0.0 | 10.2 | 6.4 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:26 | 0.0 | 9.5 | 7.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:26 | 0.0 | 9.2 | 7.2 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:26 | 0.0 | 8.2 | 7.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:26 | 0.0 | 8.4 | 7.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:55 | 0.3 | 1.6 | 11.9 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:55 | 0.3 | 1.5 | 11.2 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/27/2013 | 14:01 | 0.1 | 10.5 | 7.5 | 0.0 | 0 | 70s - 80s | None |
| GP23-13 (18.5') with filter | | 14:01 | 0.1 | 8.6 | 8.2 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:05 | 0.0 | 11.1 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:05 | 0.0 | 10.4 | 7.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:05 | 0.1 | 9.8 | 7.6 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:05 | 0.1 | 9.2 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:05 | 0.1 | 8.9 | 7.8 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:05 | 0.1 | 8.9 | 7.5 | 0.0 | 0 | | |

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP12-09 (6') without filter | 9/5/2013 | - | 0.0 | 17.9 | 3.1 | 0.1 | 1 | 50s - 80s | None |
| GP12-09 (6') with filter | | - | 0.0 | 17.5 | 3.7 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | - | 0.3 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | - | 0.3 | 11.7 | 5.5 | 0.0 | 0 | | |
| GP-7 (8') without filter | | - | 0.0 | 11.0 | 7.2 | 0.0 | 0 | | |
| GP-7 (8') with filter | | - | 0.0 | 11.3 | 5.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | - | 0.0 | 10.3 | 7.5 | 0.0 | 0 | | |
| GP-7 (12') with filter | | - | 0.0 | 10.6 | 6.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | 9/12/2013 | - | 0.0 | 8.4 | 8.6 | 0.0 | 0 | 60-80s | 0.29 inches |
| GP-7 (16') with filter | | - | 0.0 | 8.4 | 7.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 17:45 | 0.0 | 10.4 | 8.1 | 0.1 | 2 | | |
| GP23-13 (18.5') with filter | | 17:45 | 0.0 | 10.7 | 6.4 | 0.1 | 2 | | |
| GP-7 (8') without filter | | -- | 0.0 | 10.9 | 7.6 | 0.0 | 0 | | |
| GP-7 (8') with filter | | -- | 0.0 | 10.8 | 7.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | -- | 0.1 | 8.3 | 9.3 | 0.0 | 0 | | |
| GP-7 (12') with filter | | -- | 0.1 | 8.2 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') without filter | 10/17/2013 | -- | -- | 7.8 | 9.3 | 0.0 | 0 | 40s - 50s | 0.1 inches |
| GP-7 (16') with filter | | -- | -- | 7.9 | 8.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:18 | 0.0 | 11.5 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:18 | 0.0 | 13.5 | 5.1 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:23 | 0.0 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:23 | 0.0 | 9.3 | 8.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:27 | 0.0 | 7.9 | 10.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:27 | 0.0 | 8.4 | 9.3 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:14 | 0.0 | 17.4 | 2.4 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:14 | 0.0 | 17.6 | 1.5 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:31 | 0.0 | 0.5 | 9.7 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:31 | 0.0 | 1.0 | 8.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:35 | 0.0 | 8.7 | 10.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:35 | 0.0 | 8.2 | 10.0 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 8.1 | 10.4 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 10.8 | 7.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:42 | 0.0 | 11.4 | 7.2 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:42 | 11.8 | 5.9 | 0.0 | 0.0 | 0 | | |

Notes:

PID - Photoionization Detector
 O₂ - Oxygen
 CO₂ - Carbon Dioxide
 CH₄ - Methane
 LEL - Lower Explosive Limit
 NM - Not measured
 U - Qualified as non-detect due to issues with the filter
 Value - Value is greater than LEL for methane (5 percent methane)



**CONESTOGA-ROVERS
& ASSOCIATES**

8615 W. Bryn Mawr Avenue, Chicago, IL 60631-3501
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December 9, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: November 1 through 30, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of November 1 through 30, 2013.

The next Progress Report for the month of December 2013 will be submitted on or before January 10, 2014.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

RI/FS ASAOC Developments

On November 13, 2013, CRA provided USEPA, Ohio EPA, CH2M Hill, and the Respondents with the Wetland Delineation Report.

On November 22, 2013, USEPA issued comments on the OU2 RI/FS Work Plan (CRA, September 2013).



**CONESTOGA-ROVERS
& ASSOCIATES**

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On November 26, 2013, Ohio EPA provided notification to USEPA and CRA about the dive in the Quarry Pond, tentatively scheduled for December 10, 2013.

Removal Action ASAO Development

On November 14 and 25, 2013, USEPA, Ohio EPA, the USEPA START contractor, and the Respondents participated in conference calls regarding the status of vapor intrusion (VI) mitigation.

During the November conference calls, the participants discussed the following topics:

- 30-day proficiency sample results for B&G Trucking Building 9 were less than ODH screening levels, and the next step is to complete 180-day sampling
- 30-day proficiency sample results for Building 12 (Overstreet Painting and S&J Precision) were greater than ODH screening levels. Based on the sub-slab soil vapor and shallow groundwater sampling results, the Respondents believe there may be a source of TCE beneath Building 12. Adjustments to the sub-slab depressurization system (SSDS) are required, however; decreases in concentrations are unlikely without the installation of a soil vapor extraction system
- Preparation of a VI Mitigation Work Plan addendum addressing hybrid proficiency sampling
- Weekly methane field screening values from SIM Trainer Building 15, and GP-2

On November 7, 2013, CSS-Dynamac, the USEPA-START contractor, provided draft sub-slab sample results collected on October 24, 2013, from Building 12 (Overstreet Painting and S&J Precision) to CRA.

On November 22, 2013, Ohio-licensed radon contractor, Environmental Doctor, received a National Inspection Corporation Final Electrical inspection report for 2003 Dryden Road, Bullseye Amusements (Building 14).

On November 22, 2013, CRA provided Steve Renninger and John Sherrard with the following draft documents for review: VI Mitigation Work Plan addendum describing hybrid proficiency sampling, and a proficiency sampling summary letter for B&G Trucking Building 9.



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SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As previously discussed with USEPA, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation has had, and will have, on their business. The Respondents will continue to work with USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.
- The Respondents will install an intrinsically safe SSDS at SIM Trainer Building 15, located at 2031 Dryden Road, and implement system changes to the system at B&G Trucking Building 8, located at 1951 Dryden Road.
- The Respondents will submit the following to USEPA:
 - Individual OU2 Work Plans
 - QAPP update and revision
 - Figures illustrating Site chemical concentration distribution in groundwater



**CONESTOGA-ROVERS
& ASSOCIATES**

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Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley

VC/cb/12

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Madelyn Smith, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel/Building/Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|-----------|----------------------|-----------------------|------------------------|------------------------|--------------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 0.9 | 22.1 | 0.1 | 0.0 | ND(1) ¹ | | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 391 | 7.5 | 2.7 | 0.9 | 19 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 96.7 | 5.5 | 2.8 | 0.9 | 19 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 1 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 182.7 | 5.5 | 3.1 | 1.1 | 25 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 0.1 | 21.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 142.3 | 10.9 | 1.8 | 0.9 | 21 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 0.1 | 20.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 79.4 | 14.1 | 3.1 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 79.4 | 18.1 | 0.3 | 0.2 | 3 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 0.1 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 196.5 | 13.8 | 0.2 | 0.3 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 196.5 | 16.9 | 1.5 | 0.4 | 9 | | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 0 | 20.1 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 101.2 | 1.0 | 3.3 | 0.8 | 18 | | | |
| 5173 / 1 / C / Storage area without filter | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | | |
| 5173 / 1 / A ambient air without filter | | 9:57 0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A with filter | | 10:15 0 | 16.9 | 3.0 | 0.0 | 0 | | | |
| 5173 / 1 / B ambient air without filter | | 9:30 0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B with filter | | 9:48 0.2 | 9.1 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 105.8 | 3.2 | 1.2 | 0.7 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 105.8 | 3.0 | 5.1 | 1.1 | 24 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | 0.1 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 17.1 | 5.9 | 5.4 | 1.2 | 26 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 136.8 | 1.9 | 0.4 | 0.8 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 136.8 | 1.7 | 5.1 | 1.4 | 29 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 0 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 206.1 | 3.0 | 0.5 | 0.8 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 206.1 | 3.1 | 1.2 | 0.9 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 129.8 | 2.3 | 2.2 | 0.9 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 129.8 | 1.5 | 5.5 | 1.4 | 28 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 120.7 | 2.2 | 1.7 | 0.9 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 120.7 | 14.9 | 1.6 | 0.5 | 12 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 0 | 20.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 122.1 | 15.2 | 0.8 | 0.3 | 5 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 122.1 | 9.5 | 3.4 | 0.7 | 14 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 167.9 | 10.7 | 0.9 | 0.6 | 14 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 167.9 | 7.8 | 3.8 | 0.9 | 18 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | 0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 107.1 | 1.2 | 6.2 | 0.9 | 18 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 107.1 | 2.2 | 6.4 | 1.3 | 26 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 116.6 | 8.7 | 1.5 | 0.3 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 116.6 | 16.8 | 2.0 | 0.7 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 102.2 | 0.9 | 6.2 | 1.1 | 22 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 102.2 | 1.8 | 7.0 | 1.4 | 28 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 72.0 | 5.5 | 3.5 | 0.7 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 72.0 | 3.8 | 4.3 | 1.0 | 21 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 78.0 | 1.8 | 2.3 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 78.0 | 1.3 | 7.3 | 2.2 | 43 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 65.7 | 5.8 | 3.2 | 0.7 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 65.7 | 3.7 | 4.7 | 1.1 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 0.0 | 19.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 68.0 | 1.9 | 7.6 | 1.7 | 36 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 68.0 | 1.9 | 6.4 | 1.3 | 25 | | | |
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 65.9 | 1.7 | 6.5 | 1.8 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 65.9 | 1.6 | 7.9 | 2.6 | 51 | | | |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|--|------------------------------|----|
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | | | | 43 |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | | | | 63 |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0.0 | 90s | none | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | | | | 17 |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | | | | 38 |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | -- | low 90s | none | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | -- | | | | 43 |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | | | | 57 |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0.0 | 80 - low 90s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | | | | 47 |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | | | | 62 |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0.0 | 80s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | | | | 42 |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | | | | 46 |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0.0 | 80s | none | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | | | | 39 |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | | | | 57 |
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 80s | rain daily during week of September 2 to 6 | | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | | | | 38 |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | | | | 58 |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | | 0.0 | 20.9 | 0.0 | 0.0 | high 70s - low 80s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | | 60.2 | 0.8 | 5.1 | 2.3 | | | | 45 |
| 5173 / 1 / C / Storage area without filter | | | 60.2 | 1.0 | 6.0 | 2.7 | | | | 55 |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | low 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | | | | 41 |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | | | | 52 |
| 5173 / 1/ SIM Trainer | 9/27/2012 | Inaccessible | | | | | 60s - 70s | none | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----------------|
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | mid 60s | light rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | | | | 40 |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | | | | 56 |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | mid 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | | | | 1 ^R |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | | | | 1 ^R |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | | | | 31 |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 30s - 40s | snow & rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | | | | 34 |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | | | | 43 |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | | | | 27 |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | | | | 33 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | | | | 21 |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | | | | 27 |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 50s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | | | | 9 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 40s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | | | | 22 |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | | | | 30 |
| 5173 / 1 / A / Office area ambient air with filter | | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:26 | | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:29 | | 0.1 | 13.6 | 4.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:29 | | 0.1 | 13.7 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 14:17 | | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 14:17 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:34 | | 0.2 | 9.1 | 7.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:34 | | 0.2 | 9.1 | 7.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:07 | | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:07 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:39 | | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | 15:39 | | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 40s | sunny | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | | | | 1 U |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | | | | 2 U |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | | | | 1 U |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | | | | 1 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | | | | 2 U |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | | | | 26 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|------------|----------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 30s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 10s - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 20s - 50s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 20s | trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | | |
| 5173 / 1 / C / Storage area without filter | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:03 | | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:31 | | 0.6 | 14.7 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:31 | | 0.6 | 14.7 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:21 | | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:21 | | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:15 | | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:15 | | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:36 | | 63.0 | 2.3 | 3.2 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | 14:36 | | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 20s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | | | | 8 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | | | | 13 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 20s - 30s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | | | | 11 |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | | | | 7 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | | | | 8 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:23 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:19 | | 1.1 | 15.5 | 3.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:19 | | 1.1 | 15.6 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:26 | | 1.3 | 6.5 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:26 | | 1.3 | 10.0 | 6.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:31 | | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | 14:31 | | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:09 | | 0.0 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:55 | | 0.3 | 16.1 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:55 | | 0.3 | 15.9 | 4.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:52 | | 0.0 | 20.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:52 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:59 | | 0.2 | 6.9 | 10.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:59 | | 0.2 | 6.9 | 10.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 14:00 | | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 14:00 | | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:04 | | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | 15:04 | | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 40s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | | | | 15 |
| 5173 / 1 / C / Storage area without filter | | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | | | | 22 |
| 5173 / 1 / A / Office area ambient air with filter | | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:06 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:37 | | 0.0 | 18.8 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:37 | | 0.0 | 18.7 | 2.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:50 | | 0.0 | 19.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:50 | | 0.0 | 19.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:41 | | 0.9 | 6.7 | 12.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:41 | | 0.9 | 6.8 | 12.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:44 | | 79.5 | 3.1 | 7.0 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | 15:44 | | 79.5 | 3.1 | 6.6 | 1.0 | 20 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | | | | 17 |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:51 | | 0.1 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:28 | | 1.8 | 19.2 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:28 | | 1.8 | 19.0 | 2.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:35 | | 126.8 | 4.3 | 6.5 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | 15:35 | | 126.8 | 4.4 | 6.8 | 1.1 | 23 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 60s - 80s | 1.55 inches | | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 20 | | | | |
| 5173 / 1 / C / Storage area without filter | | -- | 86.4 | 1.9 | 7.6 | 1.4 25 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 21 | | | | |
| 5173 / 1 / C / Storage area without filter | | -- | 235.1 | 2.4 | 7.4 | 1.8 37 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 70s - 80s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 26 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 32 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/3/2013 | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 80s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.0 | 19.0 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.0 | 19.0 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:47 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:47 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:05 | 5.0 | 7.7 | 10.9 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:05 | 5.0 | 7.7 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:25 | 217 | 3.3 | 6.5 | 1.2 25 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:25 | 217 | 3.0 | 7.4 | 1.6 32 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/11/2013 | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:20 | 2.4 | 19.3 | 1.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:20 | 2.4 | 19.2 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:25 | 102.6 | 1.7 | 7.8 | 1.2 24 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:25 | 102.6 | 1.9 | 8.0 | 1.8 35 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 7/18/2013 | 12:34 | 0.0 | 20.7 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:34 | | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:16 | | 1.9 | 19.7 | 1.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:16 | | 1.9 | 19.8 | 1.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:09 | | 5.0 | 8.0 | 11.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:09 | | 5.0 | 7.7 | 11.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:45 | | 126.3 | 2.0 | 8.0 | 1.3 25 | | | | |
| 5173 / 1 / C / Storage area without filter | 15:45 | | 126.3 | 2.9 | 8.0 | 1.9 37 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 7/25/2013 | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 50s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:46 | 2.4 | 19.6 | 1.6 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:46 | 2.4 | 19.6 | 1.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:16 | 0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:16 | 0 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:51 | 113.6 | 2.7 | 7.4 | 1.5 | | | |
| 5173 / 1 / C / Storage area without filter | 14:51 | 113.6 | 2.8 | 7.7 | 1.9 | 38 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/1/2013 | 13:34 | 0.0 | 20.8 | 0.1 | 0.0 | 60s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 1.0 | 18.9 | 2.5 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 1.0 | 19.0 | 1.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:35 | 0.9 | 7.4 | 11.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:35 | 0.9 | 7.5 | 11.5 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0 | 20.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0 | 20.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:46 | 173.9 | 2.1 | 6.7 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | 14:46 | 173.9 | 2.5 | 7.4 | 2.1 | 41 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/6/2013 | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.5 | 18.7 | 2.0 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.5 | 18.6 | 1.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:04 | 0.0 | 20.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:04 | 0.0 | 20.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 151.3 | 2.6 | 7.0 | 1.5 | | | |
| 5173 / 1 / C / Storage area without filter | 14:21 | 151.3 | 3.0 | 7.0 | 2.2 | 44 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/15/2013 | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:51 | 0.3 | 19.3 | 2.2 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:51 | 0.3 | 19.2 | 1.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.8 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:45 | 1.8 | 6.4 | 11.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:45 | 1.8 | 6.6 | 11.7 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:54 | 0 | 20.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:54 | 0 | 20.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | 13:57 | 85.8 | 2.3 | 6.6 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | 13:57 | 85.8 | 2.8 | 6.7 | 2.0 | 40 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/22/2013 | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 60s - 80s | Trace (0.06 in.) | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 91.2 | 1.6 | 7.0 | 1.4 | | | |
| 5173 / 1 / C / Storage area without filter | 15:00 | 91.2 | 1.8 | 7.0 | 2.2 | 45 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/27/2013 | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | 70s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 1.9 | 19.2 | 1.6 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 1.9 | 19.1 | 1.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:25 | 0.0 | 20.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:25 | 0.0 | 20.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.1 | 20.4 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.1 | 20.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 91.4 | 3.1 | 6.4 | 1.5 | | | |
| 5173 / 1 / C / Storage area without filter | 14:35 | 91.4 | 2.0 | 7.0 | 2.6 | 51 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-------------|
| 5173 / 1 / A / Office area ambient air with filter | 9/5/2013 | 15:09 | - | 21.0 | 0.0 | 0.0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:09 | - | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 1.0 | 19.2 | 1.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 1.0 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | - | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | - | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:40 | 1.5 | 6.4 | 11.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:40 | 1.5 | 6.6 | 11.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:16 | - | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:16 | 0 | 2.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 85 | 2.3 | 6.9 | 1.6 | | | | 33 |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 85 | 2.3 | 6.8 | 2.2 | | | | 45 |
| 5173 / 1 / A / Office area ambient air with filter | | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 17:35 | 0.3 | 20.0 | 0.7 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 17:35 | 0.3 | 19.9 | 1.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | 9/12/2013 | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | 60s-80s | 0.29 inches | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 17:40 | 0.0 | 6.8 | 11.4 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 17:40 | 0.0 | 6.8 | 11.7 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 17:43 | 83.4 | 2.4 | 7.0 | 1.7 | | | | 33 |
| 5173 / 1 / C / Storage area without filter | | 17:43 | 83.4 | 2.4 | 6.9 | 2.3 | | | | 46 |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2013 | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:20 | 0.4 | 18.7 | 1.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:20 | 0.4 | 18.6 | 1.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:24 | 1.2 | 6.5 | 10.6 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:24 | 1.2 | 6.5 | 10.9 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:29 | 88.9 | 2.0 | 6.3 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:29 | 88.9 | 2.1 | 6.1 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 9/24/2013 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | 1016 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:44 | 0.3 | 18.1 | 1.4 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:44 | 0.3 | 18.0 | 1.5 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.8 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:38 | 1.2 | 6.7 | 10.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:38 | 1.2 | 6.7 | 10.6 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.8 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 113.7 | 2.0 | 5.7 | 1.6 | | | | 31 |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 113.7 | 2.0 | 5.9 | 2.1 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 10/3/2013 | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:39 | 0.0 | 17.9 | 2.5 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:39 | 0.0 | 17.9 | 1.6 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 121.1 | 1.7 | 5.2 | 1.5 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | 10/10/2013 | 13:41 | 121.1 | 1.8 | 5.9 | 2.0 | 40 | 40s - 70s | None | 1020 - 1022 |
| 5173 / 1 / A / Office area ambient air with filter | | 13:26 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:56 | 0.6 | 16.2 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:56 | 0.6 | 16.2 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:01 | 1.3 | 6.0 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:01 | 1.3 | 5.8 | 10.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:12 | 91.55 | 2.4 | 5.6 | 1.4 | 28 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:12 | 91.55 | 1.8 | 5.2 | 1.9 | 39 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/ Building/ Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 10/17/2013 | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 40s - 50s | 0.1 inches | 1011 - 1014 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.5 | 16.4 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.5 | 16.3 | 2.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:58 | 138.6 | 2.4 | 4.9 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:58 | 138.6 | 2.2 | 5.2 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 10/24/2013 | 12:26 | 0.0 | 21.0 | 0.1 | 0.0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:26 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:50 | 3.6 | 16.2 | 1.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:50 | 3.6 | 16.0 | 2.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:54 | 223 | 4.3 | 2.5 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 13:54 | 223 | 4.9 | 4.2 | 1.3 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 10/31/2013 | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 60s | 1.25 inches | 1000 - 1010 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 1.5 | 16.6 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 1.5 | 16.8 | 2.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:13 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:13 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:21 | 1.9 | 10.3 | 6.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:21 | 1.9 | 10.3 | 7.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:26 | 0.3 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:26 | 0.3 | 21.0 | 0.0 | 0.0 | | | | | |
| 5173 / 1 / C / Storage area with filter | 15:26 | 103.3 | 7.4 | 3.7 | 0.7 | 14 | | | | |
| 5173 / 1 / C / Storage area without filter | 15:26 | 103.3 | 7.4 | 3.2 | 1.0 | 19 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/7/2013 | 12:48 | 0.0 | 20.9 | 0.1 | 0.0 | 40s | Trace (0.04 inches) | 1020 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 1.5 | 15.3 | 3.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 1.5 | 15.2 | 3.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:09 | 112.3 | 3.0 | 3.7 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 14:09 | 112.3 | 3.0 | 4.2 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 11/12/2013 | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:45 | 1.2 | 15.3 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:45 | 1.2 | 15.2 | 3.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:52 | 105.9 | 3.1 | 3.4 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 13:52 | 105.9 | 2.9 | 3.9 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2013 | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | 20s - 40s | None | 1023 - 1026 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 15.5 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 15.2 | 3.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:47 | 0.0 | 6.7 | 8.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:47 | 0.0 | 6.4 | 9.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 14:35 | 0.0 | 21.1 | 0.0 | 0.0 | | | | | |
| 5173 / 1 / C / Storage area with filter | 14:49 | 133.9 | 3.2 | 4.3 | 0.9 | 18 | | | | |
| 5173 / 1 / C / Storage area without filter | 14:49 | 133.9 | 2.8 | 3.7 | 1.3 | 28 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|------------|-------------|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 11/26/2013 | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 30s | Trace (0.01 inches) | 1013 - 1019 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 14.6 | 4.7 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 14.8 | 3.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 0.0 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.0 | 6.5 | 8.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.0 | 6.6 | 9.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:56 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:56 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:57 | 90.7 | 2.3 | 4.2 | 1.0 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:57 | 90.7 | 2.2 | 3.5 | 1.3 | | | |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|------------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | -- | | 2.0 | 11.6 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | | 4.6 | 10.0 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none | | |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none | | |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|--|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none | | |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch | | |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None | | |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace | | |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None | | |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None | | |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/30/2013 | 14:45 | 0.0 | 16.8 | 3.4 | 0.0 | 0.0 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 17.0 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:50 | 0.0 | 16.3 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:50 | 0.0 | 16.7 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/9/2013 | 14:41 | 0.0 | 14.8 | 3.3 | 0.0 | 0.0 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:41 | 0.0 | 14.9 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:45 | 0.0 | 14.1 | 3.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:45 | 0.0 | 14.5 | 1.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/16/2013 | 13:25 | 0.0 | 15.3 | 4.1 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| GP-2 (12') with filter | | 13:25 | 0.0 | 15.3 | 4.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/21/2013 | 15:29 | 0.0 | 13.7 | 3.8 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch | | |
| GP-2 (12') with filter | | 15:29 | 0.0 | 13.8 | 3.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:32 | 0.0 | 12.7 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:32 | 0.0 | 12.8 | 3.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/30/2013 | 13:20 | 0.0 | 15.8 | 3.8 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| GP-2 (12') with filter | | 13:20 | 0.0 | 15.8 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:25 | 0.0 | 13.1 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:25 | 0.0 | 13.0 | 5.3 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/6/2013 | 14:50 | 0.0 | 16.3 | 4.6 | 0.0 | 0.0 | 60s | 0.25 inch | | |
| GP-2 (12') with filter | | 14:50 | 0.0 | 16.2 | 4.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:00 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:00 | 0.0 | 14.7 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/13/2013 | 16:05 | 0.0 | 8.2 | 5.4 | 0.0 | 0.0 | 60s - 80s | 1.55 inch | | |
| GP-2 (12') with filter | | 16:05 | 0.0 | 7.5 | 5.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 16:10 | -- | 5.2 | 6.6 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 16:10 | -- | 5.1 | 6.4 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 6/20/2013 | -- | 0.0 | 8.0 | 6.1 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.3 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | -- | -- | 5.3 | 6.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | -- | -- | 5.6 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/27/2013 | 14:06 | 0.6 | 15.9 | 1.5 | 0.0 | 0.0 | 70s - 80s | Trace | | |
| GP-2 (12') with filter | | 14:06 | 0.6 | 16.3 | 0.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 43.6 | 3.7 | 2.6 | 1.6 | 30 | | | | |
| GP-2 (16') with filter | | 14:11 | 43.6 | 2.1 | 3.6 | 1.0 | 20 | | | | |
| GP-2 (12') without filter | 7/3/2013 | 13:18 | 23.5 | 6.9 | 4.9 | 1.4 | 28 | 60s - 80s | Trace | | |
| GP-2 (12') with filter | | 13:18 | 23.5 | 7.5 | 3.4 | 0.7 | 13 | | | | |
| GP-2 (16') without filter | | 13:22 | 59.6 | 1.9 | 7.1 | 5.8 | >100 | | | | |
| GP-2 (16') with filter | | 13:22 | 59.6 | 1.6 | 6.9 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/11/2013 | 14:45 | 40.4 | 4.0 | 6.5 | 6.5 | >100 | 60s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 40.4 | 4.0 | 4.9 | 3.4 | 68 | | | | |
| GP-2 (16') without filter | | 14:51 | 55.6 | 4.6 | 6.2 | 11.2 | >100 | | | | |
| GP-2 (16') with filter | | 14:51 | 55.6 | 3.9 | 5.0 | 2.2 | 44 | | | | |
| GP-2 (12') without filter | 7/18/2013 | 14:35 | 20.4 | 17.7 | 1.2 | 0.5 | 10 | 70s - 90s | None | | |
| GP-2 (12') with filter | | 14:35 | 20.4 | 17.7 | 1.0 | 0.2 | 5 | | | | |
| GP-2 (16') without filter | | 14:41 | 44.3 | 1.9 | 7.4 | 5.1 | >100 | | | | |
| GP-2 (16') with filter | | 14:41 | 44.3 | 4.7 | 1.8 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/25/2013 | 14:15 | 38.7 | 4.8 | 6.5 | 3.8 | 75 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:15 | 38.7 | 4.7 | 6.1 | 3.0 | 60 | | | | |
| GP-2 (16') without filter | | 14:20 | 48.3 | 4.4 | 7.9 | 4.0 | 80 | | | | |
| GP-2 (16') with filter | | 14:20 | 48.3 | 4.2 | 8.3 | 3.3 | 65 | | | | |
| GP-2 (12') without filter | 8/1/2013 | 14:00 | 83.5 | 8.1 | 5.3 | 1.4 | 28 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:00 | 83.5 | 6.2 | 4.9 | 1.1 | 21 | | | | |
| GP-2 (16') without filter | | 14:05 | 89.8 | 4.1 | 7.3 | 2.8 | 55 | | | | |
| GP-2 (16') with filter | | 14:05 | 89.8 | 3.1 | 7.2 | 1.8 | 35 | | | | |
| GP-2 (12') without filter | 8/6/2013 | 14:06 | 10.5 | 3.9 | 7.6 | 1.3 | 27 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:06 | 10.5 | 3.7 | 5.9 | 1.0 | 21 | | | | |
| GP-2 (16') without filter | | 14:10 | 31.6 | 4.3 | 7.4 | 2.5 | 51 | | | | |
| GP-2 (16') with filter | | 14:10 | 31.6 | 3.1 | 6.1 | 1.7 | 34 | | | | |
| GP-2 (12') without filter | 8/15/2013 | 13:35 | 16.6 | 7.9 | 3.1 | 2.0 | 40 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 13:35 | 16.6 | 7.7 | 3.3 | 1.6 | 32 | | | | |
| GP-2 (16') without filter | | 13:40 | 20.6 | 1.5 | 6.2 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:40 | 20.6 | 1.4 | 7.5 | 2.0 | 40 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|---|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 8/22/2013 | 14:41 | 33.9 | 3.2 | 8.0 | 2.3 | 47 | 60s - 80s | Trace (0.06 in.) | | |
| GP-2 (12') with filter | | 14:41 | 33.9 | 3.2 | 8.4 | 2.0 | 41 | | | | |
| GP-2 (16') without filter | | 14:45 | 55.0 | 1.8 | 8.5 | 4.3 | 87 | | | | |
| GP-2 (16') with filter | | 14:45 | 55.0 | 1.6 | 8.3 | 2.0 | 41 | | | | |
| GP-2 (12') without filter | 8/27/2013 | 14:21 | 22.8 | 2.5 | 8.4 | 3.7 | 74 | 70s - 80s | None | | |
| GP-2 (12') with filter | | 14:21 | 22.8 | 2.6 | 8.9 | 1.9 | 39 | | | | |
| GP-2 (16') without filter | | 14:26 | 39.5 | 2.3 | 8.7 | 7.9 | >100 | | | | |
| GP-2 (16') with filter | | 14:26 | 39.5 | 2.2 | 9.0 | 6.1 | >100 | | | | |
| GP-2 (12') without filter | 9/5/2013 | - | 31.3 | 2.2 | 8.7 | 7.0 | >100 | 50s - 80s | None | | |
| GP-2 (12') with filter | | - | 31.3 | 2.3 | 6.9 | 3.0 | 58 | | | | |
| GP-2 (16') without filter | | - | 39.0 | 3.1 | 8.3 | 8.4 | >100 | | | | |
| GP-2 (16') with filter | | - | 39.0 | 3.7 | 6.5 | 2.8 | 56 | | | | |
| GP-2 | 9/12/2013 | Inaccessible due to high water/flood conditions | | | | | | 60s - 80s | 0.29 inches | | |
| GP-2 (12') without filter | 9/20/2013 | | 24.7 | 2.6 | 8.7 | 3.2 | 65 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| GP-2 (12') with filter | | | 24.7 | 2.1 | 8.1 | 1.8 | 34 | | | | |
| GP-2 (16') without filter | | | 40.4 | 1.4 | 9.6 | 7.0 | >100 | | | | |
| GP-2 (16') with filter | | | 40.4 | 1.5 | 8.9 | 2.1 | 42 | | | | |
| GP-2 (12') without filter | 9/24/2013 | 14:27 | 55.7 | 1.8 | 9.6 | 3.6 | 71 | 40s - 70s | None | 1016 - 1018 | |
| GP-2 (12') with filter | | 14:27 | 55.7 | 1.9 | 9.2 | 3.3 | 67 | | | | |
| GP-2 (16') without filter | | 14:33 | 68.4 | 1.5 | 10.0 | 4.3 | 86 | | | | |
| GP-2 (16') with filter | | 14:33 | 68.4 | 1.6 | 10.6 | 3.9 | 78 | | | | |
| GP-2 (12') without filter | 10/3/2013 | 13:27 | 0.9 | 6.8 | 7.2 | 1.3 | 25 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| GP-2 (12') with filter | | 13:27 | 0.9 | 6.9 | 5.8 | 1.1 | 17 | | | | |
| GP-2 (16') without filter | | 13:35 | 53.6 | 3.6 | 8.9 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:35 | 53.6 | 3.3 | 7.5 | 1.4 | 27 | | | | |
| GP-2 (12') without filter | 10/10/2013 | 13:41 | 18.6 | 0.7 | 10.3 | 1.9 | 38 | 40s - 70s | None | 1020 - 1022 | |
| GP-2 (12') with filter | | 13:41 | 18.6 | 0.5 | 10.2 | 1.3 | 27 | | | | |
| GP-2 (16') without filter | | 13:47 | 22.6 | 0.9 | 10.3 | 1.9 | 39 | | | | |
| GP-2 (16') with filter | | 13:47 | 22.6 | 1.7 | 9.0 | 1.2 | 25 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 10/17/2013 | 14:46 | 22.8 | 1.2 | 10.5 | 1.4 | 28 | 40s - 50s | 0.1 inches | 1011 - 1014 | MW-7: 18.56 |
| GP-2 (12') with filter | | 14:46 | 22.8 | 7.5 | 6.8 | 0.8 | 16 | | | | MW-8: 18.70 |
| GP-2 (16') without filter | | 14:50 | 23.1 | 1.3 | 10.6 | 1.5 | 29 | | | | MW-11: 20.31 |
| GP-2 (16') with filter | | 14:50 | 23.1 | 1.5 | 10.1 | 1.2 | 23 | | | | MW-12: 20.39 |
| GP-2 (12') without filter | 10/24/2013 | 13:42 | 0.0 | 1.5 | 10.9 | 0.0 | 0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | MW-7: 18.69 |
| GP-2 (12') with filter | | 13:42 | 0.0 | 1.6 | 10.2 | 0.0 | 0 | | | | MW-8: 18.83 |
| GP-2 (16') without filter | | 13:47 | 5.6 | 4.6 | 9.6 | 0.0 | 0 | | | | MW-11: 20.66 |
| GP-2 (16') with filter | | 13:47 | 5.6 | 4.9 | 8.6 | 0.0 | 0 | | | | MW-12: 20.44 |
| GP-2 (12') without filter | 10/31/2013 | 15:07 | 0.0 | 6.3 | 8.2 | 0.0 | 0 | 60s | 1.25 inches | 1000 - 1010 | MW-7: 18.71 |
| GP-2 (12') with filter | | 15:07 | 0.0 | 6.4 | 7.3 | 0.0 | 0 | | | | MW-8: 18.87 |
| GP-2 (16') without filter | | 15:13 | 1.1 | 6.4 | 8.3 | 0.0 | 0 | | | | MW-11: 20.69 |
| GP-2 (16') with filter | | 15:13 | 1.1 | 6.7 | 7.5 | 0.0 | 0 | | | | MW-12: 20.47 |
| GP-2 (12') without filter | 11/7/2013 | 13:45 | 0.0 | 4.6 | 9.5 | 0.0 | 0 | 40s | Trace (0.04 inches) | 1020 - 1025 | MW-7: 18.43 |
| GP-2 (12') with filter | | 13:45 | 0.0 | 4.1 | 7.9 | 0.0 | 0 | | | | MW-8: 18.57 |
| GP-2 (16') without filter | | 13:51 | 0.0 | 2.6 | 10.7 | 0.0 | 0 | | | | MW-11: 20.28 |
| GP-2 (16') with filter | | 13:51 | 0.0 | 2.6 | 10.2 | 0.0 | 0 | | | | MW-12: 20.13 |
| GP-2 (12') without filter | 11/12/2013 | 13:32 | 0.0 | 5.8 | 9.5 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 | MW-7: 18.28 |
| GP-2 (12') with filter | | 13:32 | 0.0 | 6.2 | 8.6 | 0.0 | 0 | | | | MW-8: 18.37 |
| GP-2 (16') without filter | | 13:38 | 0.0 | 5.4 | 9.6 | 0.0 | 0 | | | | MW-11: 20.02 |
| GP-2 (16') with filter | | 13:38 | 0.0 | 5.3 | 8.6 | 0.0 | 0 | | | | MW-12: 19.86 |
| GP-2 (12') without filter | 11/20/2013 | 14:10 | 0.0 | 4.5 | 10.1 | 0.0 | 0 | 20s - 40s | None | 1023 - 1026 | MW-7: 18.27 |
| GP-2 (12') with filter | | 14:10 | 0.0 | 5.0 | 8.3 | 0.0 | 0 | | | | MW-8: 18.40 |
| GP-2 (16') without filter | | 14:15 | 0.0 | 3.5 | 10.4 | 0.0 | 0 | | | | MW-11: 20.24 |
| GP-2 (16') with filter | | 14:15 | 0.0 | 4.0 | 9.8 | 0.0 | 0 | | | | MW-12: 20.02 |
| GP-2 (12') without filter | 11/26/2013 | 14:35 | 0.0 | 3.4 | 10.4 | 0.1 | 1 | 30s | Trace (0.01 inches) | 1013 - 1019 | MW-7: 18.10 |
| GP-2 (12') with filter | | 14:35 | 0.0 | 3.4 | 9.5 | 0.0 | 0 | | | | MW-8: 18.25 |
| GP-2 (16') without filter | | 14:39 | 0.0 | 3.3 | 10.7 | 0.1 | 1 | | | | MW-11: 20.07 |
| GP-2 (16') with filter | | 14:39 | 0.0 | 3.3 | 10.6 | 0.1 | 1 | | | | MW-12: 19.85 |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP22-13 (20') without filter | 7/11/2013 | 14:55 | 0.1 | 8.4 | 3.4 | 0.0 | 0 | 60s - 70s | None |
| GP22-13 (20') with filter | | 14:55 | 0.1 | 8.4 | 3.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 15:01 | 0.9 | 15.6 | 3.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:01 | 0.9 | 15.0 | 2.1 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 10.1 | 7.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 8.6 | 7.5 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:10 | 0.3 | 11.5 | 6.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:10 | 0.3 | 11.4 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') without filter | 7/18/2013 | 15:31 | 0.0 | 16.2 | 3.0 | 0.0 | 0 | 70s - 90s | None |
| GP-7 (8') with filter | | 15:31 | 0.0 | 16.1 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 15:31 | 0.0 | 13.0 | 5.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 15:31 | 0.0 | 13.4 | 4.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 15:25 | 0.1 | 0.9 | 10.2 | 0.5 | 12 | | |
| GP12-09 (6') with filter | | 15:25 | 0.1 | 1.2 | 11.3 | 0.6 | 12 | | |
| GP22-13 (20') without filter | | 14:45 | 0.3 | 14.5 | 1.0 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:45 | 0.3 | 14.6 | 1.3 | 0.1 | 1 | | |
| GP23-13 (18.5') without filter | | 14:51 | 0.0 | 12.2 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:51 | 0.0 | 12.4 | 6.0 | 0.1 | 1 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.4 | 4.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.2 | 4.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | 7/25/2013 | 15:02 | 0.0 | 14.1 | 4.9 | 0.0 | 0 | 50s - 70s | None |
| GP24B-13 (4.5') with filter | | 15:02 | 0.0 | 16.8 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:24 | 0.0 | 16.8 | 3.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:24 | 0.0 | 16.7 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:24 | 0.0 | 13.2 | 5.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:24 | 0.0 | 13.2 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:24 | 0.0 | 10.4 | 6.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:24 | 0.0 | 10.4 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:37 | 0.6 | 18.0 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:37 | 0.6 | 18.0 | 4.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:42 | 0.0 | 14.1 | 4.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:42 | 0.0 | 14.2 | 4.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/1/2013 | 14:11 | 0.0 | 12.4 | 5.9 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 14:11 | 0.0 | 12.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:17 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:17 | 0.0 | 16.4 | 3.0 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:17 | 0.0 | 13.2 | 4.7 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:17 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:17 | 0.0 | 11.4 | 6.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:17 | 0.0 | 11.1 | 6.1 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:30 | 0.1 | 7.8 | 7.3 | 0.3 | 6 | | |
| GP12-09 (6') with filter | | 14:30 | 0.1 | 8.3 | 7.8 | 0.2 | 4 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP23-13 (18.5') without filter | 8/6/2013 | 13:56 | 0.1 | 12.6 | 5.4 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 13:56 | 0.1 | 10.4 | 5.8 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:40 | 0.0 | 16.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:40 | 0.0 | 16.1 | 4.5 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:40 | 0.0 | 13.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:40 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:40 | 0.0 | 10.5 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:40 | 0.0 | 10.6 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 8/15/2013 | 14:01 | 0.3 | 8.7 | 6.4 | 0.0 | 0 | 40s - 70s | None |
| GP12-09 (6') with filter | | 14:01 | 0.3 | 8.9 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:05 | 0.0 | 20.2 | 1.3 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:05 | 0.0 | 19.8 | 1.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:11 | 0.0 | 11.1 | 6.7 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:11 | 0.0 | 9.4 | 6.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:17 | 0.0 | 12.8 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:17 | 0.0 | 14.5 | 4.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | 8/22/2013 | 13:17 | 0.0 | 13.0 | 4.9 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) |
| GP-7 (12') with filter | | 13:17 | 0.0 | 13.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:17 | 0.0 | 9.3 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:17 | 0.0 | 9.1 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:21 | 0.0 | 0.9 | 12.0 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:21 | 0.0 | 0.9 | 11.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:15 | 0.0 | 10.4 | 6.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:15 | 0.0 | 10.6 | 6.1 | 0.0 | 0 | | |
| GP-7 (8') without filter | 8/27/2013 | 14:26 | 0.0 | 10.4 | 7.0 | 0.0 | 0 | 70s - 80s | None |
| GP-7 (8') with filter | | 14:26 | 0.0 | 10.2 | 6.4 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:26 | 0.0 | 9.5 | 7.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:26 | 0.0 | 9.2 | 7.2 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:26 | 0.0 | 8.2 | 7.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:26 | 0.0 | 8.4 | 7.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:55 | 0.3 | 1.6 | 11.9 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:55 | 0.3 | 1.5 | 11.2 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/27/2013 | 14:01 | 0.1 | 10.5 | 7.5 | 0.0 | 0 | 70s - 80s | None |
| GP23-13 (18.5') with filter | | 14:01 | 0.1 | 8.6 | 8.2 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:05 | 0.0 | 11.1 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:05 | 0.0 | 10.4 | 7.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:05 | 0.1 | 9.8 | 7.6 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:05 | 0.1 | 9.2 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:05 | 0.1 | 8.9 | 7.8 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:05 | 0.1 | 8.9 | 7.5 | 0.0 | 0 | | |

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP12-09 (6') without filter | 9/5/2013 | - | 0.0 | 17.9 | 3.1 | 0.1 | 1 | 50s - 80s | None |
| GP12-09 (6') with filter | | - | 0.0 | 17.5 | 3.7 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | - | 0.3 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | - | 0.3 | 11.7 | 5.5 | 0.0 | 0 | | |
| GP-7 (8') without filter | | - | 0.0 | 11.0 | 7.2 | 0.0 | 0 | | |
| GP-7 (8') with filter | | - | 0.0 | 11.3 | 5.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | - | 0.0 | 10.3 | 7.5 | 0.0 | 0 | | |
| GP-7 (12') with filter | | - | 0.0 | 10.6 | 6.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | 9/12/2013 | - | 0.0 | 8.4 | 8.6 | 0.0 | 0 | 60-80s | 0.29 inches |
| GP-7 (16') with filter | | - | 0.0 | 8.4 | 7.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 17:45 | 0.0 | 10.4 | 8.1 | 0.1 | 2 | | |
| GP23-13 (18.5') with filter | | 17:45 | 0.0 | 10.7 | 6.4 | 0.1 | 2 | | |
| GP-7 (8') without filter | | -- | 0.0 | 10.9 | 7.6 | 0.0 | 0 | | |
| GP-7 (8') with filter | | -- | 0.0 | 10.8 | 7.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | -- | 0.1 | 8.3 | 9.3 | 0.0 | 0 | | |
| GP-7 (12') with filter | | -- | 0.1 | 8.2 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') without filter | 10/17/2013 | -- | -- | 7.8 | 9.3 | 0.0 | 0 | 40s - 50s | 0.1 inches |
| GP-7 (16') with filter | | -- | -- | 7.9 | 8.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:18 | 0.0 | 11.5 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:18 | 0.0 | 13.5 | 5.1 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:23 | 0.0 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:23 | 0.0 | 9.3 | 8.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:27 | 0.0 | 7.9 | 10.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:27 | 0.0 | 8.4 | 9.3 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:14 | 0.0 | 17.4 | 2.4 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:14 | 0.0 | 17.6 | 1.5 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:31 | 0.0 | 0.5 | 9.7 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:31 | 0.0 | 1.0 | 8.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:35 | 0.0 | 8.7 | 10.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:35 | 0.0 | 8.2 | 10.0 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 8.1 | 10.4 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 10.8 | 7.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | 11/12/2013 | 14:42 | 0.0 | 11.4 | 7.2 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) |
| GP24B-13 (4.5') with filter | | 14:42 | 11.8 | 5.9 | 0.0 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:00 | 0.0 | 14.4 | 5.5 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:00 | 0.0 | 15.5 | 4.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:06 | 0.0 | 13.7 | 6.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:06 | 0.0 | 13.8 | 5.5 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:13 | 0.0 | 10.6 | 8.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:13 | 0.0 | 11.7 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 11/12/2013 | 13:19 | 0.0 | 16.1 | 2.7 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) |
| GP12-09 (6') with filter | | 13:19 | 0.0 | 16.8 | 1.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:25 | 0.0 | 10.3 | 8.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:25 | 0.0 | 10.1 | 7.6 | 0.0 | 0 | | |

Notes:

PID - Photoionization Detector
 O₂ - Oxygen
 CO₂ - Carbon Dioxide
 CH₄ - Methane
 LEL - Lower Explosive Limit
 NM - Not measured
 U - Qualified as non-detect due to issues with the filter
Value - Value is greater than LEL for methane (5 percent methane)



**CONESTOGA-ROVERS
& ASSOCIATES**

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January 9, 2014

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: December 1 through 31, 2013
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of December 1 through 31, 2013.

The next Progress Report for the month of January 2014 will be submitted on or before February 10, 2014.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

RI/FS ASAOC Developments

On December 12, 2013, CRA provided USEPA, Ohio EPA, CH2M Hill, and the Respondents with the draft chemical concentration contour figures for review and comment.

On December 12, 2013, USEPA, Ohio EPA, CH2M Hill, the Respondents and CRA participated in an OU1 conference call regarding the draft chemical concentration contour figures and



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comments on the Proposed Monitoring Well and Vertical Aquifer Sampling Locations – Phase 1B and 2A (Proposal).

Removal Action ASAO Development

On December 4, 2013, Ohio-licensed radon contractor, Environmental Doctor, received a National Inspection Corporation Final Electrical inspection report for 2075 Dryden Road, Megacity Construction (Building 17).

On December 5, 12, and 19, 2013, USEPA, Ohio EPA, the USEPA START contractor, and the Respondents participated in conference calls regarding the status of vapor intrusion (VI) mitigation.

During the December conference calls, the participants discussed the following topics:

- Status of SSDS installation, location and rationale for additional stemlines, and next steps at Building 8 (B&G Trucking), Building 12 (Overstreet Painting and S&J Precision), Building 14 (Bullseye Amusements), Building 15 (SIM Trainer), and Building 17 (Megacity Construction)
- Weekly methane field screening values from SIM Trainer Building 15, and GP-2

On December 12, 2013, CRA provided USEPA, CSS-Dynamac (the USEPA-START contractor), Ohio EPA, and Respondents with a memo documenting conditions at and vapor mitigation recommendations for Building 16 (Command Roofing), located at 2045 Dryden Road.

On December 18, 2013, CSS -Dynamac provided CRA with USEPA's comments and revisions to the VI Mitigation Work Plan addendum describing hybrid proficiency sampling, and approval of the proficiency sampling summary letter for B&G Trucking Building 9.

On December 19, 2013, CRA provided CSS-Dynamac with information on sub-slab probe parts and part numbers, as requested.

SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As previously discussed with USEPA, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI



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sampling and mitigation has had, and will have, on their business. The Respondents will continue to work with USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.
- The Respondents will complete SSDS installation at all occupied buildings and will complete 30-day proficiency sampling at all remaining buildings.
- The Respondents will submit the following to USEPA:
 - Individual OU2 Work Plans
 - QAPP update and revision

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley

VC/cb/13

Encl.

cc: (all by pdf) Wendell Barner, Barner Consulting
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Madelyn Smith, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO**

| Sample Location: Parcel/Building/Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|-----------|-------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0.0 | ND(1) ¹ | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1.0 | 3.3 | 0.8 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3.0 | 0.0 | 0 | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3.0 | 5.1 | 1.1 | 24 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3.0 | 0.5 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|-----------|--|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 17 | 90s | none | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | 43 | low 90s | none | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | 80 - low 90s | none | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | 13:44 | 0.5 | 19.5 | 0.9 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 39 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | 14:07 | 3.8 | 19.4 | 0.1 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | 12:08 | 0.5 | 19.6 | 0.2 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 9/13/2012 | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----------------|
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | low 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | | | | 41 |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | | | | 52 |
| 5173 / 1/ SIM Trainer | 9/27/2012 | Inaccessible | | | | | | 60s - 70s | none | |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | mid 60s | light rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | | | | 40 |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | | | | 56 |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | mid 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | | | | 1 ^R |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | | | | 1 ^R |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | | | | 31 |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 30s - 40s | snow & rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | | | | 34 |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | | | | 43 |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | | | | 27 |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | | | | 33 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | | | | 21 |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | | | | 27 |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 50s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | | | | 9 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 40s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | | | | 22 |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | | | | 30 |
| 5173 / 1 / A / Office area ambient air with filter | | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:26 | | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:29 | | 0.1 | 13.6 | 4.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:29 | | 0.1 | 13.7 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 14:17 | | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 14:17 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:34 | | 0.2 | 9.1 | 7.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:34 | | 0.2 | 9.1 | 7.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:07 | | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:07 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:39 | | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | 15:39 | | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 40s | sunny | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | | | | 1 U |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | | | | 2 U |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | | | | 1 U |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | | | | 1 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | | | | 2 U |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | | | | 26 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|------------|----------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 30s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 10s - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 20s - 50s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 20s | trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | | |
| 5173 / 1 / C / Storage area without filter | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 30s - 40s | ~1 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | | 3/7/2013 | 14:00 | 0.4 | 21.2 | 0.1 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:00 | | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:13 | | 0.0 | 16.4 | 2.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:13 | | 0.0 | 15.2 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:50 | | 0.4 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:50 | | 0.4 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:17 | | 0.0 | 9.1 | 7.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:17 | | 0.0 | 6.9 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:40 | | 0.3 | 21.5 | 0.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:40 | | 0.3 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:21 | | 47.0 | 5.1 | 5.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | 14:21 | | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 20s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | | | | 8 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | | | | 13 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 20s - 30s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | | | | 11 |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | | | | 7 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | | | | 8 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:23 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:19 | | 1.1 | 15.5 | 3.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:19 | | 1.1 | 15.6 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:26 | | 1.3 | 6.5 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:26 | | 1.3 | 10.0 | 6.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:31 | | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | 14:31 | | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:09 | | 0.0 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:55 | | 0.3 | 16.1 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:55 | | 0.3 | 15.9 | 4.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:52 | | 0.0 | 20.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:52 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:59 | | 0.2 | 6.9 | 10.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:59 | | 0.2 | 6.9 | 10.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 14:00 | | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 14:00 | | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:04 | | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | 15:04 | | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 40s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | | | | 15 |
| 5173 / 1 / C / Storage area without filter | | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | | | | 22 |
| 5173 / 1 / A / Office area ambient air with filter | | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:06 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:37 | | 0.0 | 18.8 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:37 | | 0.0 | 18.7 | 2.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:50 | | 0.0 | 19.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:50 | | 0.0 | 19.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:41 | | 0.9 | 6.7 | 12.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:41 | | 0.9 | 6.8 | 12.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:44 | | 79.5 | 3.1 | 7.0 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | 15:44 | | 79.5 | 3.1 | 6.6 | 1.0 | 20 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | | | | 17 |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:51 | | 0.1 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:28 | | 1.8 | 19.2 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:28 | | 1.8 | 19.0 | 2.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:35 | | 126.8 | 4.3 | 6.5 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | 15:35 | | 126.8 | 4.4 | 6.8 | 1.1 | 23 | | | |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO**

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 60s - 80s | 1.55 inches | | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | -- | 86.4 | 1.9 | 7.6 | 1.4 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 | | | | 21 |
| 5173 / 1 / C / Storage area without filter | | -- | 235.1 | 2.4 | 7.4 | 1.8 | | | | 37 |
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 70s - 80s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 | | | | 26 |
| 5173 / 1 / C / Storage area without filter | | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 | | | | 32 |
| 5173 / 1 / A / Office area ambient air with filter | 7/3/2013 | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 80s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.0 | 19.0 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.0 | 19.0 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:47 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:47 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:05 | 5.0 | 7.7 | 10.9 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:05 | 5.0 | 7.7 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:25 | 217 | 3.3 | 6.5 | 1.2 | | | | 25 |
| 5173 / 1 / C / Storage area without filter | | 13:25 | 217 | 3.0 | 7.4 | 1.6 | | | | 32 |
| 5173 / 1 / A / Office area ambient air with filter | 7/11/2013 | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:20 | 2.4 | 19.3 | 1.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:20 | 2.4 | 19.2 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:25 | 102.6 | 1.7 | 7.8 | 1.2 | | | | 24 |
| 5173 / 1 / C / Storage area without filter | | 15:25 | 102.6 | 1.9 | 8.0 | 1.8 | | | | 35 |
| 5173 / 1 / A / Office area ambient air with filter | | 7/18/2013 | 12:34 | 0.0 | 20.7 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:34 | | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:16 | | 1.9 | 19.7 | 1.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:16 | | 1.9 | 19.8 | 1.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:09 | | 5.0 | 8.0 | 11.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:09 | | 5.0 | 7.7 | 11.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:45 | | 126.3 | 2.0 | 8.0 | 1.3 | 25 | | | |
| 5173 / 1 / C / Storage area without filter | 15:45 | | 126.3 | 2.9 | 8.0 | 1.9 | 37 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORAIN, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 7/25/2013 | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:46 | 2.4 | 19.6 | 1.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:46 | 2.4 | 19.6 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:16 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:16 | 0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:51 | 113.6 | 2.7 | 7.4 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | 14:51 | 113.6 | 2.8 | 7.7 | 1.9 | 38 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/1/2013 | 13:34 | 0.0 | 20.8 | 0.1 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 1.0 | 18.9 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 1.0 | 19.0 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:35 | 0.9 | 7.4 | 11.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:35 | 0.9 | 7.5 | 11.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:46 | 173.9 | 2.1 | 6.7 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | | 14:46 | 173.9 | 2.5 | 7.4 | 2.1 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 8/6/2013 | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.5 | 18.7 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.5 | 18.6 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:04 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:04 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 151.3 | 2.6 | 7.0 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 151.3 | 3.0 | 7.0 | 2.2 | | | | 44 |
| 5173 / 1 / A / Office area ambient air with filter | | 8/15/2013 | 12:52 | 0.0 | 20.8 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:52 | | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 13:51 | | 0.3 | 19.3 | 2.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 13:51 | | 0.3 | 19.2 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:50 | | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:50 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 13:45 | | 1.8 | 6.4 | 11.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 13:45 | | 1.8 | 6.6 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:54 | | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:54 | | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 13:57 | | 85.8 | 2.3 | 6.6 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | 13:57 | | 85.8 | 2.8 | 6.7 | 2.0 | 40 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/22/2013 | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 60s - 80s | Trace (0.06 in.) | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 91.2 | 1.6 | 7.0 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 91.2 | 1.8 | 7.0 | 2.2 | | | | 45 |
| 5173 / 1 / A / Office area ambient air with filter | | 8/27/2013 | 13:28 | 0.0 | 20.5 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:28 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:30 | | 1.9 | 19.2 | 1.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:30 | | 1.9 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:25 | | 0.0 | 20.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:25 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:27 | | 0.1 | 20.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:27 | | 0.1 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:35 | | 91.4 | 3.1 | 6.4 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | 14:35 | | 91.4 | 2.0 | 7.0 | 2.6 | 51 | | | |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 9/5/2013 | 15:09 | - | 21.0 | 0.0 | 0.0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:09 | - | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 1.0 | 19.2 | 1.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 1.0 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | - | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | - | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:40 | 1.5 | 6.4 | 11.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:40 | 1.5 | 6.6 | 11.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:16 | - | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:16 | 0 | 2.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 85 | 2.3 | 6.9 | 1.6 | | | | 33 |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 85 | 2.3 | 6.8 | 2.2 | | | | 45 |
| 5173 / 1 / A / Office area ambient air with filter | 9/12/2013 | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | 60s-80s | 0.29 inches | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 17:35 | 0.3 | 20.0 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 17:35 | 0.3 | 19.9 | 1.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 17:40 | 0.0 | 6.8 | 11.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 17:40 | 0.0 | 6.8 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 17:43 | 83.4 | 2.4 | 7.0 | 1.7 | | | | 33 |
| 5173 / 1 / C / Storage area without filter | | 17:43 | 83.4 | 2.4 | 6.9 | 2.3 | | | | 46 |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2013 | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 0.4 | 18.7 | 1.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 0.4 | 18.6 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:24 | 1.2 | 6.5 | 10.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:24 | 1.2 | 6.5 | 10.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:29 | 88.9 | 2.0 | 6.3 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:29 | 88.9 | 2.1 | 6.1 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 9/24/2013 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | 1016 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:44 | 0.3 | 18.1 | 1.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:44 | 0.3 | 18.0 | 1.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:38 | 1.2 | 6.7 | 10.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:38 | 1.2 | 6.7 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 113.7 | 2.0 | 5.7 | 1.6 | | | | 31 |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 113.7 | 2.0 | 5.9 | 2.1 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 10/3/2013 | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:39 | 0.0 | 17.9 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:39 | 0.0 | 17.9 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 121.1 | 1.7 | 5.2 | 1.5 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 121.1 | 1.8 | 5.9 | 2.0 | | | | 40 |
| 5173 / 1 / A / Office area ambient air with filter | 10/10/2013 | 13:26 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | 1020 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:56 | 0.6 | 16.2 | 1.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:56 | 0.6 | 16.2 | 1.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:01 | 1.3 | 6.0 | 9.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:01 | 1.3 | 5.8 | 10.4 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:12 | 91.55 | 2.4 | 5.6 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:12 | 91.55 | 1.8 | 5.2 | 1.9 | | | | 39 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 10/17/2013 | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 40s - 50s | 0.1 inches | 1011 - 1014 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.5 | 16.4 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.5 | 16.3 | 2.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:58 | 138.6 | 2.4 | 4.9 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:58 | 138.6 | 2.2 | 5.2 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 10/24/2013 | 12:26 | 0.0 | 21.0 | 0.1 | 0.0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:26 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:50 | 3.6 | 16.2 | 1.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:50 | 3.6 | 16.0 | 2.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:54 | 223 | 4.3 | 2.5 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 13:54 | 223 | 4.9 | 4.2 | 1.3 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 10/31/2013 | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 60s | 1.25 inches | 1000 - 1010 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 1.5 | 16.6 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 1.5 | 16.8 | 2.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:13 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:13 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:21 | 1.9 | 10.3 | 6.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:21 | 1.9 | 10.3 | 7.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:26 | 0.3 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:26 | 0.3 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:26 | 103.3 | 7.4 | 3.7 | 0.7 | | | | 14 |
| 5173 / 1 / C / Storage area without filter | | 15:26 | 103.3 | 7.4 | 3.2 | 1.0 | | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 11/7/2013 | 12:48 | 0.0 | 20.9 | 0.1 | 0.0 | 40s | Trace (0.04 inches) | 1020 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 1.5 | 15.3 | 3.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 1.5 | 15.2 | 3.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:09 | 112.3 | 3.0 | 3.7 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 14:09 | 112.3 | 3.0 | 4.2 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 11/12/2013 | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:45 | 1.2 | 15.3 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:45 | 1.2 | 15.2 | 3.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:52 | 105.9 | 3.1 | 3.4 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 13:52 | 105.9 | 2.9 | 3.9 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2013 | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | 20s - 40s | None | 1023 - 1026 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 15.5 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 15.2 | 3.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:47 | 0.0 | 6.7 | 8.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:47 | 0.0 | 6.4 | 9.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:35 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 133.9 | 3.2 | 4.3 | 0.9 | | | | 18 |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 133.9 | 2.8 | 3.7 | 1.3 | | | | 28 |
| 5173 / 1 / A / Office area ambient air with filter | 11/26/2013 | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 30s | Trace (0.01 inches) | 1013 - 1019 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 14.6 | 4.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 14.8 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.0 | 6.5 | 8.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.0 | 6.6 | 9.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:56 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:56 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:57 | 90.7 | 2.3 | 4.2 | 1.0 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 14:57 | 90.7 | 2.2 | 3.5 | 1.3 | | | | 26 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel/Building/Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|------------|----------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 12/5/2013 | 13:33 | 0.1 | 21.8 | 0.0 | 0.0 | 30s - 40s | 0.07 inches | 1013 - 1016 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.1 | 21.7 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:07 | 1.2 | 14.8 | 3.6 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:07 | 1.2 | 14.8 | 4.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:14 | 0.0 | 21.4 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:14 | 0.0 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 1.9 | 6.6 | 8.9 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 1.9 | 6.6 | 9.4 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.3 | 21.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.3 | 21.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:11 | 189.7 | 2.8 | 3.5 | 0.9 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:11 | 189.7 | 2.7 | 3.5 | 1.3 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/12/2013 | 13:59 | 0.0 | 21.0 | 0.1 | 0.0 | 15 - 20 | None | 1030 - 1036 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:59 | 0.0 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:52 | 0.6 | 18.8 | 2.5 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:52 | 0.6 | 19.2 | 1.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:18 | 0.0 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:18 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | | 1.6 | 6.8 | 8.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | | 1.6 | 6.5 | 9.3 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:33 | 0.0 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:33 | 0.0 | 21.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:57 | 96.2 | 8.8 | 2.9 | 0.3 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:57 | 96.2 | 8.7 | 2.7 | 0.5 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/19/2013 | 14:36 | 0.0 | 21.6 | 0.0 | 0.0 | 30s - 40s | None | 1016 - 1018 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:36 | 0.0 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:00 | 0.6 | 20.8 | 0.5 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:00 | 0.6 | 20.7 | 0.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:05 | 0.0 | 9.0 | 7.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:05 | 0.0 | 9.1 | 8.3 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:08 | 116.3 | 11.8 | 1.3 | 0.1 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:08 | 116.3 | 11.7 | 1.8 | 0.2 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/23/2013 | 12:46 | 0.0 | 21.5 | 0.0 | 0.0 | 20s - 30s | Trace (0.02 inches) | 1026 - 1029 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:46 | 0.0 | 21.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:04 | 0.0 | 16.4 | 4.0 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:04 | 0.0 | 16.5 | 2.7 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:41 | 0.0 | 21.6 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:41 | 0.0 | 21.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:10 | 0.4 | 11.0 | 7.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:10 | 0.4 | 10.6 | 8.3 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0.0 | 21.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0.0 | 21.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:15 | 126.8 | 13.2 | 2.9 | 0.2 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:15 | 126.8 | 13.4 | 1.8 | 0.2 | | | |

Notes:

1 - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|------------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | -- | | 2.0 | 11.6 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | | 4.6 | 10.0 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none | | |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none | | |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|--|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none | | |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch | | |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None | | |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace | | |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None | | |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None | | |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/30/2013 | 14:45 | 0.0 | 16.8 | 3.4 | 0.0 | 0.0 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 17.0 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:50 | 0.0 | 16.3 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:50 | 0.0 | 16.7 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/9/2013 | 14:41 | 0.0 | 14.8 | 3.3 | 0.0 | 0.0 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:41 | 0.0 | 14.9 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:45 | 0.0 | 14.1 | 3.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:45 | 0.0 | 14.5 | 1.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/16/2013 | 13:25 | 0.0 | 15.3 | 4.1 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| GP-2 (12') with filter | | 13:25 | 0.0 | 15.3 | 4.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/21/2013 | 15:29 | 0.0 | 13.7 | 3.8 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch | | |
| GP-2 (12') with filter | | 15:29 | 0.0 | 13.8 | 3.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:32 | 0.0 | 12.7 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:32 | 0.0 | 12.8 | 3.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/30/2013 | 13:20 | 0.0 | 15.8 | 3.8 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| GP-2 (12') with filter | | 13:20 | 0.0 | 15.8 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:25 | 0.0 | 13.1 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:25 | 0.0 | 13.0 | 5.3 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/6/2013 | 14:50 | 0.0 | 16.3 | 4.6 | 0.0 | 0.0 | 60s | 0.25 inch | | |
| GP-2 (12') with filter | | 14:50 | 0.0 | 16.2 | 4.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:00 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:00 | 0.0 | 14.7 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/13/2013 | 16:05 | 0.0 | 8.2 | 5.4 | 0.0 | 0.0 | 60s - 80s | 1.55 inch | | |
| GP-2 (12') with filter | | 16:05 | 0.0 | 7.5 | 5.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 16:10 | -- | 5.2 | 6.6 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 16:10 | -- | 5.1 | 6.4 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 6/20/2013 | -- | 0.0 | 8.0 | 6.1 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.3 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | -- | -- | 5.3 | 6.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | -- | -- | 5.6 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/27/2013 | 14:06 | 0.6 | 15.9 | 1.5 | 0.0 | 0.0 | 70s - 80s | Trace | | |
| GP-2 (12') with filter | | 14:06 | 0.6 | 16.3 | 0.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 43.6 | 3.7 | 2.6 | 1.6 | 30 | | | | |
| GP-2 (16') with filter | | 14:11 | 43.6 | 2.1 | 3.6 | 1.0 | 20 | | | | |
| GP-2 (12') without filter | 7/3/2013 | 13:18 | 23.5 | 6.9 | 4.9 | 1.4 | 28 | 60s - 80s | Trace | | |
| GP-2 (12') with filter | | 13:18 | 23.5 | 7.5 | 3.4 | 0.7 | 13 | | | | |
| GP-2 (16') without filter | | 13:22 | 59.6 | 1.9 | 7.1 | 5.8 | >100 | | | | |
| GP-2 (16') with filter | | 13:22 | 59.6 | 1.6 | 6.9 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/11/2013 | 14:45 | 40.4 | 4.0 | 6.5 | 6.5 | >100 | 60s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 40.4 | 4.0 | 4.9 | 3.4 | 68 | | | | |
| GP-2 (16') without filter | | 14:51 | 55.6 | 4.6 | 6.2 | 11.2 | >100 | | | | |
| GP-2 (16') with filter | | 14:51 | 55.6 | 3.9 | 5.0 | 2.2 | 44 | | | | |
| GP-2 (12') without filter | 7/18/2013 | 14:35 | 20.4 | 17.7 | 1.2 | 0.5 | 10 | 70s - 90s | None | | |
| GP-2 (12') with filter | | 14:35 | 20.4 | 17.7 | 1.0 | 0.2 | 5 | | | | |
| GP-2 (16') without filter | | 14:41 | 44.3 | 1.9 | 7.4 | 5.1 | >100 | | | | |
| GP-2 (16') with filter | | 14:41 | 44.3 | 4.7 | 1.8 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/25/2013 | 14:15 | 38.7 | 4.8 | 6.5 | 3.8 | 75 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:15 | 38.7 | 4.7 | 6.1 | 3.0 | 60 | | | | |
| GP-2 (16') without filter | | 14:20 | 48.3 | 4.4 | 7.9 | 4.0 | 80 | | | | |
| GP-2 (16') with filter | | 14:20 | 48.3 | 4.2 | 8.3 | 3.3 | 65 | | | | |
| GP-2 (12') without filter | 8/1/2013 | 14:00 | 83.5 | 8.1 | 5.3 | 1.4 | 28 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:00 | 83.5 | 6.2 | 4.9 | 1.1 | 21 | | | | |
| GP-2 (16') without filter | | 14:05 | 89.8 | 4.1 | 7.3 | 2.8 | 55 | | | | |
| GP-2 (16') with filter | | 14:05 | 89.8 | 3.1 | 7.2 | 1.8 | 35 | | | | |
| GP-2 (12') without filter | 8/6/2013 | 14:06 | 10.5 | 3.9 | 7.6 | 1.3 | 27 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:06 | 10.5 | 3.7 | 5.9 | 1.0 | 21 | | | | |
| GP-2 (16') without filter | | 14:10 | 31.6 | 4.3 | 7.4 | 2.5 | 51 | | | | |
| GP-2 (16') with filter | | 14:10 | 31.6 | 3.1 | 6.1 | 1.7 | 34 | | | | |
| GP-2 (12') without filter | 8/15/2013 | 13:35 | 16.6 | 7.9 | 3.1 | 2.0 | 40 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 13:35 | 16.6 | 7.7 | 3.3 | 1.6 | 32 | | | | |
| GP-2 (16') without filter | | 13:40 | 20.6 | 1.5 | 6.2 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:40 | 20.6 | 1.4 | 7.5 | 2.0 | 40 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|---|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 8/22/2013 | 14:41 | 33.9 | 3.2 | 8.0 | 2.3 | 47 | 60s - 80s | Trace (0.06 in.) | | |
| GP-2 (12') with filter | | 14:41 | 33.9 | 3.2 | 8.4 | 2.0 | 41 | | | | |
| GP-2 (16') without filter | | 14:45 | 55.0 | 1.8 | 8.5 | 4.3 | 87 | | | | |
| GP-2 (16') with filter | | 14:45 | 55.0 | 1.6 | 8.3 | 2.0 | 41 | | | | |
| GP-2 (12') without filter | 8/27/2013 | 14:21 | 22.8 | 2.5 | 8.4 | 3.7 | 74 | 70s - 80s | None | | |
| GP-2 (12') with filter | | 14:21 | 22.8 | 2.6 | 8.9 | 1.9 | 39 | | | | |
| GP-2 (16') without filter | | 14:26 | 39.5 | 2.3 | 8.7 | 7.9 | >100 | | | | |
| GP-2 (16') with filter | | 14:26 | 39.5 | 2.2 | 9.0 | 6.1 | >100 | | | | |
| GP-2 (12') without filter | 9/5/2013 | - | 31.3 | 2.2 | 8.7 | 7.0 | >100 | 50s - 80s | None | | |
| GP-2 (12') with filter | | - | 31.3 | 2.3 | 6.9 | 3.0 | 58 | | | | |
| GP-2 (16') without filter | | - | 39.0 | 3.1 | 8.3 | 8.4 | >100 | | | | |
| GP-2 (16') with filter | | - | 39.0 | 3.7 | 6.5 | 2.8 | 56 | | | | |
| GP-2 | 9/12/2013 | Inaccessible due to high water/flood conditions | | | | | | 60s - 80s | 0.29 inches | | |
| GP-2 (12') without filter | 9/20/2013 | | 24.7 | 2.6 | 8.7 | 3.2 | 65 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| GP-2 (12') with filter | | | 24.7 | 2.1 | 8.1 | 1.8 | 34 | | | | |
| GP-2 (16') without filter | | | 40.4 | 1.4 | 9.6 | 7.0 | >100 | | | | |
| GP-2 (16') with filter | | | 40.4 | 1.5 | 8.9 | 2.1 | 42 | | | | |
| GP-2 (12') without filter | 9/24/2013 | 14:27 | 55.7 | 1.8 | 9.6 | 3.6 | 71 | 40s - 70s | None | 1016 - 1018 | |
| GP-2 (12') with filter | | 14:27 | 55.7 | 1.9 | 9.2 | 3.3 | 67 | | | | |
| GP-2 (16') without filter | | 14:33 | 68.4 | 1.5 | 10.0 | 4.3 | 86 | | | | |
| GP-2 (16') with filter | | 14:33 | 68.4 | 1.6 | 10.6 | 3.9 | 78 | | | | |
| GP-2 (12') without filter | 10/3/2013 | 13:27 | 0.9 | 6.8 | 7.2 | 1.3 | 25 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| GP-2 (12') with filter | | 13:27 | 0.9 | 6.9 | 5.8 | 1.1 | 17 | | | | |
| GP-2 (16') without filter | | 13:35 | 53.6 | 3.6 | 8.9 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:35 | 53.6 | 3.3 | 7.5 | 1.4 | 27 | | | | |
| GP-2 (12') without filter | 10/10/2013 | 13:41 | 18.6 | 0.7 | 10.3 | 1.9 | 38 | 40s - 70s | None | 1020 - 1022 | |
| GP-2 (12') with filter | | 13:41 | 18.6 | 0.5 | 10.2 | 1.3 | 27 | | | | |
| GP-2 (16') without filter | | 13:47 | 22.6 | 0.9 | 10.3 | 1.9 | 39 | | | | |
| GP-2 (16') with filter | | 13:47 | 22.6 | 1.7 | 9.0 | 1.2 | 25 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 10/17/2013 | 14:46 | 22.8 | 1.2 | 10.5 | 1.4 | 28 | 40s - 50s | 0.1 inches | 1011 - 1014 | MW-7: 18.56 |
| GP-2 (12') with filter | | 14:46 | 22.8 | 7.5 | 6.8 | 0.8 | 16 | | | | MW-8: 18.70 |
| GP-2 (16') without filter | | 14:50 | 23.1 | 1.3 | 10.6 | 1.5 | 29 | | | | MW-11: 20.31 |
| GP-2 (16') with filter | | 14:50 | 23.1 | 1.5 | 10.1 | 1.2 | 23 | | | | MW-12: 20.39 |
| GP-2 (12') without filter | 10/24/2013 | 13:42 | 0.0 | 1.5 | 10.9 | 0.0 | 0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | MW-7: 18:69 |
| GP-2 (12') with filter | | 13:42 | 0.0 | 1.6 | 10.2 | 0.0 | 0 | | | | MW-8: 18.83 |
| GP-2 (16') without filter | | 13:47 | 5.6 | 4.6 | 9.6 | 0.0 | 0 | | | | MW-11: 20.66 |
| GP-2 (16') with filter | | 13:47 | 5.6 | 4.9 | 8.6 | 0.0 | 0 | | | | MW-12: 20.44 |
| GP-2 (12') without filter | 10/31/2013 | 15:07 | 0.0 | 6.3 | 8.2 | 0.0 | 0 | 60s | 1.25 inches | 1000 - 1010 | MW-7: 18.71 |
| GP-2 (12') with filter | | 15:07 | 0.0 | 6.4 | 7.3 | 0.0 | 0 | | | | MW-8: 18.87 |
| GP-2 (16') without filter | | 15:13 | 1.1 | 6.4 | 8.3 | 0.0 | 0 | | | | MW-11: 20.69 |
| GP-2 (16') with filter | | 15:13 | 1.1 | 6.7 | 7.5 | 0.0 | 0 | | | | MW-12: 20.47 |
| GP-2 (12') without filter | 11/7/2013 | 13:45 | 0.0 | 4.6 | 9.5 | 0.0 | 0 | 40s | Trace (0.04 inches) | 1020 - 1025 | MW-7: 18.43 |
| GP-2 (12') with filter | | 13:45 | 0.0 | 4.1 | 7.9 | 0.0 | 0 | | | | MW-8: 18.57 |
| GP-2 (16') without filter | | 13:51 | 0.0 | 2.6 | 10.7 | 0.0 | 0 | | | | MW-11: 20.28 |
| GP-2 (16') with filter | | 13:51 | 0.0 | 2.6 | 10.2 | 0.0 | 0 | | | | MW-12: 20.13 |
| GP-2 (12') without filter | 11/12/2013 | 13:32 | 0.0 | 5.8 | 9.5 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 | MW-7: 18.28 |
| GP-2 (12') with filter | | 13:32 | 0.0 | 6.2 | 8.6 | 0.0 | 0 | | | | MW-8: 18.37 |
| GP-2 (16') without filter | | 13:38 | 0.0 | 5.4 | 9.6 | 0.0 | 0 | | | | MW-11: 20.02 |
| GP-2 (16') with filter | | 13:38 | 0.0 | 5.3 | 8.6 | 0.0 | 0 | | | | MW-12: 19.86 |
| GP-2 (12') without filter | 11/20/2013 | 14:10 | 0.0 | 4.5 | 10.1 | 0.0 | 0 | 20s - 40s | None | 1023 - 1026 | MW-7: 18.27 |
| GP-2 (12') with filter | | 14:10 | 0.0 | 5.0 | 8.3 | 0.0 | 0 | | | | MW-8: 18.40 |
| GP-2 (16') without filter | | 14:15 | 0.0 | 3.5 | 10.4 | 0.0 | 0 | | | | MW-11: 20.24 |
| GP-2 (16') with filter | | 14:15 | 0.0 | 4.0 | 9.8 | 0.0 | 0 | | | | MW-12: 20.02 |
| GP-2 (12') without filter | 11/26/2013 | 14:35 | 0.0 | 3.4 | 10.4 | 0.1 | 1 | 30s | Trace (0.01 inches) | 1013 - 1019 | MW-7: 18.10 |
| GP-2 (12') with filter | | 14:35 | 0.0 | 3.4 | 9.5 | 0.0 | 0 | | | | MW-8: 18.25 |
| GP-2 (16') without filter | | 14:39 | 0.0 | 3.3 | 10.7 | 0.1 | 1 | | | | MW-11: 20.07 |
| GP-2 (16') with filter | | 14:39 | 0.0 | 3.3 | 10.6 | 0.1 | 1 | | | | MW-12: 19.85 |
| GP-2 (12') without filter | 12/5/2013 | 14:44 | 0.0 | 6.5 | 9.7 | 0.0 | 0 | 30s - 40s | 0.07 inches | 1013 - 1016 | MW-7: 18.38 |
| GP-2 (12') with filter | | 14:44 | 0.0 | 6.6 | 8.7 | 0.0 | 0 | | | | MW-8: 18.52 |
| GP-2 (16') without filter | | 14:49 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | | | MW-11: 20.35 |
| GP-2 (16') with filter | | 14:49 | 0.0 | 7.4 | 8.3 | 0.0 | 0 | | | | MW-12: 20.13 |
| GP-2 (12') without filter | 12/12/2013 | 15:45 | 0.0 | 9.9 | 8.5 | 0.0 | 0 | 15 - 20 | None | 1030 - 1036 | MW-7: 18.45 |
| GP-2 (12') with filter | | 15:45 | 0.0 | 9.7 | 8.3 | 0.0 | 0 | | | | MW-8: 18.60 |
| GP-2 (16') without filter | | 15:49 | 0.0 | 7.3 | 10.4 | 0.0 | 0 | | | | MW-11: 20.42 |
| GP-2 (16') with filter | | 15:49 | 0.0 | 6.9 | 9.8 | 0.0 | 0 | | | | MW-12: 20.20 |
| GP-2 (12') without filter | 12/19/2013 | 14:48 | 0.0 | 10.8 | 7.8 | 0.0 | 0 | 30s - 40s | None | 1016 - 1018 | MW-7: 18.39 |
| GP-2 (12') with filter | | 14:48 | 0.0 | 11.0 | 6.8 | 0.0 | 0 | | | | MW-8: 18.54 |
| GP-2 (16') without filter | | 14:51 | 0.0 | 9.0 | 8.9 | 0.0 | 0 | | | | MW-11: 20.37 |
| GP-2 (16') with filter | | 14:51 | 0.0 | 9.6 | 7.9 | 0.0 | 0 | | | | MW-12: 20.21 |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 12/23/2013 | 11:20 | 0.0 | 8.1 | 7.9 | 0.0 | 0 | 20s - 30s | Trace (0.02 inches) | 1026 - 1029 | MW-7: 15.63 |
| GP-2 (12') with filter | | 11:20 | 0.0 | 8.1 | 6.9 | 0.0 | 0 | | | | MW-8: 15.72 |
| GP-2 (16') without filter | | 11:27 | 0.0 | 5.8 | 10.4 | 0.0 | 0 | | | | MW-11: 17.45 |
| GP-2 (16') with filter | | 11:27 | 0.0 | 7.6 | 8.7 | 0.0 | 0 | | | | MW-12: 17.32 |

Notes:

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP22-13 (20') without filter | 7/11/2013 | 14:55 | 0.1 | 8.4 | 3.4 | 0.0 | 0 | 60s - 70s | None |
| GP22-13 (20') with filter | | 14:55 | 0.1 | 8.4 | 3.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 15:01 | 0.9 | 15.6 | 3.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:01 | 0.9 | 15.0 | 2.1 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 10.1 | 7.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 8.6 | 7.5 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:10 | 0.3 | 11.5 | 6.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:10 | 0.3 | 11.4 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') without filter | 7/18/2013 | 15:31 | 0.0 | 16.2 | 3.0 | 0.0 | 0 | 70s - 90s | None |
| GP-7 (8') with filter | | 15:31 | 0.0 | 16.1 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 15:31 | 0.0 | 13.0 | 5.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 15:31 | 0.0 | 13.4 | 4.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 15:25 | 0.1 | 0.9 | 10.2 | 0.5 | 12 | | |
| GP12-09 (6') with filter | | 15:25 | 0.1 | 1.2 | 11.3 | 0.6 | 12 | | |
| GP22-13 (20') without filter | | 14:45 | 0.3 | 14.5 | 1.0 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:45 | 0.3 | 14.6 | 1.3 | 0.1 | 1 | | |
| GP23-13 (18.5') without filter | | 14:51 | 0.0 | 12.2 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:51 | 0.0 | 12.4 | 6.0 | 0.1 | 1 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.4 | 4.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.2 | 4.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | 7/25/2013 | 15:02 | 0.0 | 14.1 | 4.9 | 0.0 | 0 | 50s - 70s | None |
| GP24B-13 (4.5') with filter | | 15:02 | 0.0 | 16.8 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:24 | 0.0 | 16.8 | 3.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:24 | 0.0 | 16.7 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:24 | 0.0 | 13.2 | 5.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:24 | 0.0 | 13.2 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:24 | 0.0 | 10.4 | 6.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:24 | 0.0 | 10.4 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:37 | 0.6 | 18.0 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:37 | 0.6 | 18.0 | 4.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:42 | 0.0 | 14.1 | 4.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:42 | 0.0 | 14.2 | 4.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/1/2013 | 14:11 | 0.0 | 12.4 | 5.9 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 14:11 | 0.0 | 12.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:17 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:17 | 0.0 | 16.4 | 3.0 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:17 | 0.0 | 13.2 | 4.7 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:17 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:17 | 0.0 | 11.4 | 6.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:17 | 0.0 | 11.1 | 6.1 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:30 | 0.1 | 7.8 | 7.3 | 0.3 | 6 | | |
| GP12-09 (6') with filter | | 14:30 | 0.1 | 8.3 | 7.8 | 0.2 | 4 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP23-13 (18.5') without filter | 8/6/2013 | 13:56 | 0.1 | 12.6 | 5.4 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 13:56 | 0.1 | 10.4 | 5.8 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:40 | 0.0 | 16.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:40 | 0.0 | 16.1 | 4.5 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:40 | 0.0 | 13.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:40 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:40 | 0.0 | 10.5 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:40 | 0.0 | 10.6 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 8/15/2013 | 14:01 | 0.3 | 8.7 | 6.4 | 0.0 | 0 | 40s - 70s | None |
| GP12-09 (6') with filter | | 14:01 | 0.3 | 8.9 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:05 | 0.0 | 20.2 | 1.3 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:05 | 0.0 | 19.8 | 1.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:11 | 0.0 | 11.1 | 6.7 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:11 | 0.0 | 9.4 | 6.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:17 | 0.0 | 12.8 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:17 | 0.0 | 14.5 | 4.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | 8/22/2013 | 13:17 | 0.0 | 13.0 | 4.9 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) |
| GP-7 (12') with filter | | 13:17 | 0.0 | 13.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:17 | 0.0 | 9.3 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:17 | 0.0 | 9.1 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:21 | 0.0 | 0.9 | 12.0 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:21 | 0.0 | 0.9 | 11.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:15 | 0.0 | 10.4 | 6.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:15 | 0.0 | 10.6 | 6.1 | 0.0 | 0 | | |
| GP-7 (8') without filter | 8/27/2013 | 14:26 | 0.0 | 10.4 | 7.0 | 0.0 | 0 | 70s - 80s | None |
| GP-7 (8') with filter | | 14:26 | 0.0 | 10.2 | 6.4 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:26 | 0.0 | 9.5 | 7.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:26 | 0.0 | 9.2 | 7.2 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:26 | 0.0 | 8.2 | 7.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:26 | 0.0 | 8.4 | 7.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:55 | 0.3 | 1.6 | 11.9 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:55 | 0.3 | 1.5 | 11.2 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/27/2013 | 14:01 | 0.1 | 10.5 | 7.5 | 0.0 | 0 | 70s - 80s | None |
| GP23-13 (18.5') with filter | | 14:01 | 0.1 | 8.6 | 8.2 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:05 | 0.0 | 11.1 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:05 | 0.0 | 10.4 | 7.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:05 | 0.1 | 9.8 | 7.6 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:05 | 0.1 | 9.2 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:05 | 0.1 | 8.9 | 7.8 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:05 | 0.1 | 8.9 | 7.5 | 0.0 | 0 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP12-09 (6') without filter | 9/5/2013 | - | 0.0 | 17.9 | 3.1 | 0.1 | 1 | 50s - 80s | None |
| GP12-09 (6') with filter | | - | 0.0 | 17.5 | 3.7 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | - | 0.3 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | - | 0.3 | 11.7 | 5.5 | 0.0 | 0 | | |
| GP-7 (8') without filter | | - | 0.0 | 11.0 | 7.2 | 0.0 | 0 | | |
| GP-7 (8') with filter | | - | 0.0 | 11.3 | 5.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | - | 0.0 | 10.3 | 7.5 | 0.0 | 0 | | |
| GP-7 (12') with filter | | - | 0.0 | 10.6 | 6.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | 9/12/2013 | - | 0.0 | 8.4 | 8.6 | 0.0 | 0 | 60-80s | 0.29 inches |
| GP-7 (16') with filter | | - | 0.0 | 8.4 | 7.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 17:45 | 0.0 | 10.4 | 8.1 | 0.1 | 2 | | |
| GP23-13 (18.5') with filter | | 17:45 | 0.0 | 10.7 | 6.4 | 0.1 | 2 | | |
| GP-7 (8') without filter | | -- | 0.0 | 10.9 | 7.6 | 0.0 | 0 | | |
| GP-7 (8') with filter | | -- | 0.0 | 10.8 | 7.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | -- | 0.1 | 8.3 | 9.3 | 0.0 | 0 | | |
| GP-7 (12') with filter | | -- | 0.1 | 8.2 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') without filter | 10/17/2013 | -- | -- | 7.8 | 9.3 | 0.0 | 0 | 40s - 50s | 0.1 inches |
| GP-7 (16') with filter | | -- | -- | 7.9 | 8.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:18 | 0.0 | 11.5 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:18 | 0.0 | 13.5 | 5.1 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:23 | 0.0 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:23 | 0.0 | 9.3 | 8.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:27 | 0.0 | 7.9 | 10.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:27 | 0.0 | 8.4 | 9.3 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:14 | 0.0 | 17.4 | 2.4 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:14 | 0.0 | 17.6 | 1.5 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:31 | 0.0 | 0.5 | 9.7 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:31 | 0.0 | 1.0 | 8.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:35 | 0.0 | 8.7 | 10.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:35 | 0.0 | 8.2 | 10.0 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 8.1 | 10.4 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 10.8 | 7.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | 11/12/2013 | 14:42 | 0.0 | 11.4 | 7.2 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) |
| GP24B-13 (4.5') with filter | | 14:42 | 11.8 | 5.9 | 0.0 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:00 | 0.0 | 14.4 | 5.5 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:00 | 0.0 | 15.5 | 4.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:06 | 0.0 | 13.7 | 6.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:06 | 0.0 | 13.8 | 5.5 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:13 | 0.0 | 10.6 | 8.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:13 | 0.0 | 11.7 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 11/12/2013 | 13:19 | 0.0 | 16.1 | 2.7 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) |
| GP12-09 (6') with filter | | 13:19 | 0.0 | 16.8 | 1.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:25 | 0.0 | 10.3 | 8.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:25 | 0.0 | 10.1 | 7.6 | 0.0 | 0 | | |

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP-7 | 12/19/2013 | Buried Under Snow & Ice | | | | | | 30s - 40s | None |
| GP12-09 (6') without filter | | 14:54 | 0.0 | 19.9 | 0.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:54 | 0.0 | 19.0 | 0.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:57 | 0.0 | 12.1 | 8.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:57 | 0.0 | 12.4 | 7.0 | 0.0 | 0 | | |

Notes:

PID - Photoionization Detector

O₂ - OxygenCO₂ - Carbon DioxideCH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)



**CONESTOGA-ROVERS
& ASSOCIATES**

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February 10, 2014

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: January 1 through 31, 2014
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAO) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAO), and the ASAO for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAO), for the period of January 1 through 31, 2014.

The next Progress Report for the month of February 2014 will be submitted on or before March 10, 2014.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

RI/FS ASAO Developments

On January 9, 2014, CRA provided USEPA, Ohio EPA, CH2M Hill and the Respondents with revised chemical concentration contour figures for review and comment.

On January 9, 2014, USEPA, Ohio EPA, CH2M Hill, the Respondents and CRA participated in an OU1 conference call regarding the draft chemical concentration contour figures.

On January 17, 2014, the Respondents submitted the revised Phase 1B Monitoring Well and Phase 2A Vertical Aquifer Sampling Locations Proposal to USEPA, Ohio EPA, and CH2M Hill.



**CONESTOGA-ROVERS
& ASSOCIATES**

February 10, 2014

Reference No. 038443-12

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On January 31, 2014, the Respondents submitted the revised OU2 Remedial Investigation/Feasibility Study (RI/FS) Work Plan to USEPA, Ohio EPA, and CH2M Hill.

Removal Action ASAO Developments

As of January 9, 2014, the Respondents completed installation of sub-slab depressurization systems (SSDSs) in all eight buildings requiring mitigation, with the exception of Building 16, which is discussed below. The Respondents will complete the 30-day proficiency sampling events in February 2014.

On January 9, 16, and 23, 2014, USEPA, Ohio EPA, the USEPA START contractor, and the Respondents participated in conference calls regarding the status of vapor intrusion (VI) mitigation.

During the January conference calls, the participants discussed the following topics:

- Update on SSDS vacuum readings and notification of proficiency sampling dates at Building 8 (B&G Trucking), Building 12 (Overstreet Painting and S&J Precision), Building 14 (Bullseye Amusements), Building 15 (SIM Trainer), and Building 17 (Megacity Construction).
- Weekly methane field screening values from SIM Trainer Building 15, and GP-2.
- For Building 12 (Overstreet Painting and S&J Precision), CRA proposed to rely on vacuum readings, rather than hybrid proficiency sample results, to demonstrate that SSDS operation is successful. A TCE source may potentially be present beneath the building, which may result in sub-slab concentrations of TCE remaining greater than screening levels. USEPA and Respondents agree that indoor air concentrations below screening levels are the primary goal.

On January 21, 2014, USEPA START Contractor, CSS-Dynamac, forwarded one e-mail message from Public Health – Dayton & Montgomery County (PHDMC) to CRA. PHDMC stated that it has no objection to the no further action proposal for Building 16, Command Roofing, located at 2045 Dryden Road, provided the current occupancy status (i.e., unoccupied) is maintained.

On January 30, 2014, the Respondents submitted an electronic copy of the Operation, Maintenance & Monitoring (OM&M) Plan for the SSDS installed at Building 9, B&G Equipment and Truck Repair, located at 1951 Dryden Road to Mark Fornes Realty, USEPA, Ohio EPA, Ohio Department of Health, and CSS-Dynamac.

SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.



**CONESTOGA-ROVERS
& ASSOCIATES**

February 10, 2014

Reference No. 038443-12

- 3 -

- As previously discussed with USEPA, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation has had, and will have, on their business. The Respondents will continue to work with USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.
- The Respondents will complete 30-day proficiency sampling at all remaining buildings.
- The Respondents will submit the following to USEPA:
 - Individual OU2 Work Plans
 - QAPP update and revision

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley

VC/cb/14

Encl.

cc: (all by pdf) Wendell Barner, Barner Consulting
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
John Sherrard, CSS-Dynamac Corporation

Madelyn Smith, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Wray Blattner, Thompson Hine
Adam Loney, CRA

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID</i> <i>(ppm)</i> | <i>O₂</i> <i>(%)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> | <i>Barometric Pressure</i> <i>(hPa)</i> |
|---|--------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|--|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0.0 | ND(1) ¹ | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1.0 | 3.3 | 0.8 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3.0 | 0.0 | 0 | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:50 | 0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | 3/22/2012 | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3.0 | 5.1 | 1.1 | 24 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3.0 | 0.5 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID</i> <i>Time</i> | <i>O₂</i> <i>(ppm)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> | <i>Barometric Pressure</i> <i>(hPa)</i> |
|---|--------------|--|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|--|
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.1 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 7/19/2012 | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:45 | 0.0 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 7/26/2012 | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 9:40 | 0.0 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 8/2/2012 | 9:40 | 0.0 | 20.7 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 9:57 | -- | -- | -- | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 8/7/2012 | 9:57 | 0.3 | 20.7 | 0.1 | 0 | low 90s | none | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 11:55 | 0.1 | 20.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0 | | | |
| 5173 / 1 / B / Firing Range | 8/16/2012 | Inaccessible due to Firing Range operation | | | | | 80 - low 90s | none | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 14:05 | 0.0 | 21.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 8/21/2012 | 13:45 | 0.0 | 20.4 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 8/30/2012 | 13:44 | 0.5 | 19.4 | 1.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 39 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 9/6/2012 | 14:07 | 3.8 | 19.2 | 0.9 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 38 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 9/13/2012 | 12:08 | 0.5 | 19.2 | 1.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | | 0.0 | 21.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | | 60.2 | 0.8 | 5.1 | 2.3 45 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 60.2 | 1.0 | 6.0 | 2.7 55 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | | | | | | | |
| 5173 / 1 / C / Storage area with filter | | | | | | | | | |
| 5173 / 1 / C / Storage area without filter | | | | | | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----------------|
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | low 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | | | | 41 |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | | | | 52 |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | 60s - 70s | none | |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | mid 60s | light rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | | | | 40 |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | | | | 56 |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | mid 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | | | | 1 ^R |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | | | | 1 ^R |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | | | | 31 |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 30s - 40s | snow & rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | | | | 34 |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | | | | 43 |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | | | | 27 |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | | | | 33 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | | | | 21 |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | | | | 27 |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 50s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | | | | 9 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 40s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | | | | 22 |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | | | | 30 |
| 5173 / 1 / A / Office area ambient air with filter | | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:26 | | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:29 | | 0.1 | 13.6 | 4.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:29 | | 0.1 | 13.7 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 14:17 | | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 14:17 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:34 | | 0.2 | 9.1 | 7.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:34 | | 0.2 | 9.1 | 7.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:07 | | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:07 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:39 | | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | 15:39 | | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 40s | sunny | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | | | | 1 U |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | | | | 2 U |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | | | | 1 U |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | | | | 1 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | | | | 2 U |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | | | | 26 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID</i> <i>(ppm)</i> | <i>O₂</i> <i>(%)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> | <i>Barometric Pressure</i> <i>(hPa)</i> |
|---|--------------|-------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|--|
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | 10s - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | 15 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | 22 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | 21 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | 19 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 20s - 50s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 20s | trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | | |
| 5173 / 1 / C / Storage area without filter | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:03 | | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:31 | | 0.6 | 14.7 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:31 | | 0.6 | 14.7 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:21 | | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:21 | | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:15 | | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:15 | | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:36 | | 63.0 | 2.3 | 3.2 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | 14:36 | | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 20s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | | | | 8 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | | | | 13 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 20s - 30s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | | | | 11 |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | | | | 7 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | | | | 8 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:23 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:19 | | 1.1 | 15.5 | 3.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:19 | | 1.1 | 15.6 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:26 | | 1.3 | 6.5 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:26 | | 1.3 | 10.0 | 6.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:31 | | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | 14:31 | | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:09 | | 0.0 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:55 | | 0.3 | 16.1 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:55 | | 0.3 | 15.9 | 4.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:52 | | 0.0 | 20.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:52 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:59 | | 0.2 | 6.9 | 10.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:59 | | 0.2 | 6.9 | 10.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 14:00 | | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 14:00 | | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:04 | | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | 15:04 | | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 40s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | | | | 15 |
| 5173 / 1 / C / Storage area without filter | | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | | | | 22 |
| 5173 / 1 / A / Office area ambient air with filter | | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:06 | | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 15:37 | | 0.0 | 18.8 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 15:37 | | 0.0 | 18.7 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:50 | | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:50 | | 0.0 | 19.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 15:41 | | 0.9 | 6.7 | 12.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | 15:41 | | 0.9 | 6.8 | 12.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:44 | | 79.5 | 3.1 | 7.0 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | 15:44 | | 79.5 | 3.1 | 6.6 | 1.0 | 20 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | | | | 17 |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:51 | | 0.1 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 15:28 | | 1.8 | 19.2 | 2.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 15:28 | | 1.8 | 19.0 | 2.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:35 | | 126.8 | 4.3 | 6.5 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | 15:35 | | 126.8 | 4.4 | 6.8 | 1.1 | 23 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|-----------|--|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 80s | 1.55 inches |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | -- | 86.4 | 1.9 | 7.6 | 1.4 | 25 | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | -- | 235.1 | 2.4 | 7.4 | 1.8 | 37 | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 70s - 80s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 | 26 | | |
| 5173 / 1 / C / Storage area without filter | | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 | 32 | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/3/2013 | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 80s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.0 | 19.0 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.0 | 19.0 | 1.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:47 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:47 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 13:05 | 5.0 | 7.7 | 10.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 13:05 | 5.0 | 7.7 | 11.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:25 | 217 | 3.3 | 6.5 | 1.2 | 25 | | |
| 5173 / 1 / C / Storage area without filter | | 13:25 | 217 | 3.0 | 7.4 | 1.6 | 32 | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/11/2013 | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 70s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:20 | 2.4 | 19.3 | 1.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:20 | 2.4 | 19.2 | 1.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:25 | 102.6 | 1.7 | 7.8 | 1.2 | 24 | | |
| 5173 / 1 / C / Storage area without filter | | 15:25 | 102.6 | 1.9 | 8.0 | 1.8 | 35 | | |
| 5173 / 1 / A / Office area ambient air with filter | | 7/18/2013 | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area ambient air without filter | 12:34 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | 15:16 | | 1.9 | 19.7 | 1.5 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | 15:16 | | 1.9 | 19.8 | 1.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | 15:09 | | 5.0 | 8.0 | 11.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | 15:09 | | 5.0 | 7.7 | 11.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | 15:45 | | 126.3 | 2.0 | 8.0 | 1.3 | 25 | | |
| 5173 / 1 / C / Storage area without filter | 15:45 | | 126.3 | 2.9 | 8.0 | 1.9 | 37 | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 7/25/2013 | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:46 | 2.4 | 19.6 | 1.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:46 | 2.4 | 19.6 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:16 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:16 | 0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:51 | 113.6 | 2.7 | 7.4 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | | 14:51 | 113.6 | 2.8 | 7.7 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 8/1/2013 | 13:34 | 0.0 | 20.8 | 0.1 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 1.0 | 18.9 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 1.0 | 19.0 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:35 | 0.9 | 7.4 | 11.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:35 | 0.9 | 7.5 | 11.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:46 | 173.9 | 2.1 | 6.7 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | 14:46 | 173.9 | 2.5 | 7.4 | 2.1 | 41 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/6/2013 | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.5 | 18.7 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.5 | 18.6 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:04 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:04 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 151.3 | 2.6 | 7.0 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 151.3 | 3.0 | 7.0 | 2.2 | | | | 44 |
| 5173 / 1 / A / Office area ambient air with filter | 8/15/2013 | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:51 | 0.3 | 19.3 | 2.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:51 | 0.3 | 19.2 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:45 | 1.8 | 6.4 | 11.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:45 | 1.8 | 6.6 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:54 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:54 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:57 | 85.8 | 2.3 | 6.6 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | 13:57 | 85.8 | 2.8 | 6.7 | 2.0 | 40 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/22/2013 | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 60s - 80s | Trace (0.06 in.) | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 91.2 | 1.6 | 7.0 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 91.2 | 1.8 | 7.0 | 2.2 | | | | 45 |
| 5173 / 1 / A / Office area ambient air with filter | 8/27/2013 | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | 70s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 1.9 | 19.2 | 1.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 1.9 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:25 | 0.0 | 20.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:25 | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.1 | 20.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.1 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 91.4 | 3.1 | 6.4 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 91.4 | 2.0 | 7.0 | 2.6 | | | | 51 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 9/5/2013 | 15:09 | - | 21.0 | 0.0 | 0.0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:09 | - | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 1.0 | 19.2 | 1.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 1.0 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | - | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | - | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:40 | 1.5 | 6.4 | 11.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:40 | 1.5 | 6.6 | 11.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:16 | - | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:16 | 0 | 2.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 85 | 2.3 | 6.9 | 1.6 | | | | 33 |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 85 | 2.3 | 6.8 | 2.2 | | | | 45 |
| 5173 / 1 / A / Office area ambient air with filter | 9/12/2013 | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | 60s-80s | 0.29 inches | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 17:35 | 0.3 | 20.0 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 17:35 | 0.3 | 19.9 | 1.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 17:40 | 0.0 | 6.8 | 11.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 17:40 | 0.0 | 6.8 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 17:43 | 83.4 | 2.4 | 7.0 | 1.7 | | | | 33 |
| 5173 / 1 / C / Storage area without filter | | 17:43 | 83.4 | 2.4 | 6.9 | 2.3 | | | | 46 |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2013 | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 0.4 | 18.7 | 1.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 0.4 | 18.6 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:24 | 1.2 | 6.5 | 10.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:24 | 1.2 | 6.5 | 10.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:29 | 88.9 | 2.0 | 6.3 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:29 | 88.9 | 2.1 | 6.1 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 9/24/2013 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | 1016 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:44 | 0.3 | 18.1 | 1.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:44 | 0.3 | 18.0 | 1.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:38 | 1.2 | 6.7 | 10.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:38 | 1.2 | 6.7 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 113.7 | 2.0 | 5.7 | 1.6 | | | | 31 |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 113.7 | 2.0 | 5.9 | 2.1 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 10/3/2013 | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:39 | 0.0 | 17.9 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:39 | 0.0 | 17.9 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 121.1 | 1.7 | 5.2 | 1.5 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 121.1 | 1.8 | 5.9 | 2.0 | | | | 40 |
| 5173 / 1 / A / Office area ambient air with filter | 10/10/2013 | 13:26 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | 1020 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:56 | 0.6 | 16.2 | 1.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:56 | 0.6 | 16.2 | 1.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:01 | 1.3 | 6.0 | 9.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:01 | 1.3 | 5.8 | 10.4 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:12 | 91.55 | 2.4 | 5.6 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:12 | 91.55 | 1.8 | 5.2 | 1.9 | | | | 39 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 10/17/2013 | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 40s - 50s | 0.1 inches | 1011 - 1014 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.5 | 16.4 | 2.5 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.5 | 16.3 | 2.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0 | 20.8 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0 | 20.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:58 | 138.6 | 2.4 | 4.9 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:58 | 138.6 | 2.2 | 5.2 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 10/24/2013 | 12:26 | 0.0 | 21.0 | 0.1 | 0.0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:26 | 0.0 | 20.9 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:50 | 3.6 | 16.2 | 1.3 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:50 | 3.6 | 16.0 | 2.6 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0 | 21.4 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:54 | 223 | 4.3 | 2.5 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 13:54 | 223 | 4.9 | 4.2 | 1.3 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 10/31/2013 | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 60s | 1.25 inches | 1000 - 1010 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 15:17 | 1.5 | 16.6 | 3.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 15:17 | 1.5 | 16.8 | 2.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:13 | 0.0 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:13 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 15:21 | 1.9 | 10.3 | 6.6 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 15:21 | 1.9 | 10.3 | 7.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:26 | 0.3 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:26 | 0.3 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 15:26 | 103.3 | 7.4 | 3.7 | 0.7 | | | | 14 |
| 5173 / 1 / C / Storage area without filter | | 15:26 | 103.3 | 7.4 | 3.2 | 1.0 | | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 11/7/2013 | 12:48 | 0.0 | 20.9 | 0.1 | 0.0 | 40s | Trace (0.04 inches) | 1020 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.0 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:04 | 1.5 | 15.3 | 3.4 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:04 | 1.5 | 15.2 | 3.4 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:09 | 112.3 | 3.0 | 3.7 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 14:09 | 112.3 | 3.0 | 4.2 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 11/12/2013 | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:45 | 1.2 | 15.3 | 3.3 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:45 | 1.2 | 15.2 | 3.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:52 | 105.9 | 3.1 | 3.4 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 13:52 | 105.9 | 2.9 | 3.9 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2013 | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | 20s - 40s | None | 1023 - 1026 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 15.5 | 3.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 15.2 | 3.4 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:47 | 0.0 | 6.7 | 8.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:47 | 0.0 | 6.4 | 9.3 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 14:35 | 0.0 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 133.9 | 3.2 | 4.3 | 0.9 | | | | 18 |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 133.9 | 2.8 | 3.7 | 1.3 | | | | 28 |
| 5173 / 1 / A / Office area ambient air with filter | 11/26/2013 | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 30s | Trace (0.01 inches) | 1013 - 1019 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 14.6 | 4.7 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 14.8 | 3.8 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 0.0 | 21.0 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.0 | 6.5 | 8.8 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.0 | 6.6 | 9.1 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:56 | 0.0 | 21.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:56 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:57 | 90.7 | 2.3 | 4.2 | 1.0 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 14:57 | 90.7 | 2.2 | 3.5 | 1.3 | | | | 26 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 12/5/2013 | 13:33 | 0.1 | 21.8 | 0.0 | 0 | 30s - 40s | 0.07 inches | 1013 - 1016 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.1 | 21.7 | 0.1 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:07 | 1.2 | 14.8 | 3.6 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:07 | 1.2 | 14.8 | 4.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:14 | 0.0 | 21.4 | 0.1 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:14 | 0.0 | 21.5 | 0.1 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 1.9 | 6.6 | 8.9 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 1.9 | 6.6 | 9.4 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.3 | 21.5 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.3 | 21.7 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:11 | 189.7 | 2.8 | 3.5 | 0.9 | | | | 18 |
| 5173 / 1 / C / Storage area without filter | | 15:11 | 189.7 | 2.7 | 3.5 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 12/12/2013 | 13:59 | 0.0 | 21.0 | 0.1 | 0 | 15 - 20 | None | 1030 - 1036 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:59 | 0.0 | 21.1 | 0.1 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:52 | 0.6 | 18.8 | 2.5 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:52 | 0.6 | 19.2 | 1.4 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:18 | 0.0 | 21.2 | 0.1 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:18 | 0.0 | 21.3 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 1.6 | 6.8 | 8.3 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 1.6 | 6.5 | 9.3 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:33 | 0.0 | 21.5 | 0.1 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:33 | 0.0 | 21.5 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:57 | 96.2 | 8.8 | 2.9 | 0.3 | | | | 6 |
| 5173 / 1 / C / Storage area without filter | | 15:57 | 96.2 | 8.7 | 2.7 | 0.5 | | | | 9 |
| 5173 / 1 / A / Office area ambient air with filter | 12/19/2013 | 14:36 | 0.0 | 21.6 | 0.0 | 0 | 30s - 40s | None | 1016 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:36 | 0.0 | 21.5 | 0.1 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:00 | 0.6 | 20.8 | 0.5 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:00 | 0.6 | 20.7 | 0.6 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:05 | 0.0 | 9.0 | 7.8 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:05 | 0.0 | 9.1 | 8.3 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:08 | 116.3 | 11.8 | 1.3 | 0.1 | | | | 1 |
| 5173 / 1 / C / Storage area without filter | | 15:08 | 116.3 | 11.7 | 1.8 | 0.2 | | | | 3 |
| 5173 / 1 / A / Office area ambient air with filter | 12/23/2013 | 12:46 | 0.0 | 21.5 | 0.0 | 0 | 20s - 30s | Trace (0.02 inches) | 1026 - 1029 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:46 | 0.0 | 21.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:04 | 0.0 | 16.4 | 4.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:04 | 0.0 | 16.5 | 2.7 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:41 | 0.0 | 21.6 | 0.1 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:41 | 0.0 | 21.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:10 | 0.4 | 11.0 | 7.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:10 | 0.4 | 10.6 | 8.3 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0.0 | 21.6 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0.0 | 21.6 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:15 | 126.8 | 13.2 | 2.9 | 0.2 | | | | 3 |
| 5173 / 1 / C / Storage area without filter | | 13:15 | 126.8 | 13.4 | 1.8 | 0.2 | | | | 4 |
| 5173 / 1 / A / Office area ambient air with filter | 1/2/2014 | 15:48 | 0.0 | 22.0 | 0.0 | 0 | 20 - 30 | 5.46 inches | 1012 - 1026 | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:48 | 0.0 | 22.0 | 0.1 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 16:25 | 0.8 | 21.2 | 0.2 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 16:25 | 0.8 | 21.1 | 0.4 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:42 | 0.0 | 21.5 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:42 | 0.0 | 21.7 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 16:28 | 86.4 | 15.0 | 0.5 | 0.0 | | | | 0.1 |
| 5173 / 1 / C / Storage area without filter | | 16:28 | 86.4 | 14.7 | 1.4 | 0.1 | | | | 3 |

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 1/9/2014 | 13:35 | 0.0 | 21.2 | 0.0 | 0.0 | 20s - 30s | 1.55 inches | 1026 - 1035 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:56 | 3.3 | 20.7 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:56 | 3.3 | 21.0 | 0.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:33 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:33 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 81.4 | 10.2 | 0.8 | 0.1 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 81.4 | 9.8 | 1.4 | 0.2 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/16/2014 | 12:34 | 0.0 | 21.1 | 0.0 | 0.0 | 20s - 30s | 0.97 inches | 1008 - 1019 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:34 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:13 | 2.1 | 21.0 | 0.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:13 | 2.1 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:36 | 0.0 | 20.9 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:36 | 0.0 | 20.9 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:20 | 96.1 | 14.7 | 1.0 | 0.1 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:20 | 96.1 | 14.6 | 1.5 | 0.2 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/23/2014 | 12:13 | 0.0 | 21.5 | 0.0 | 0.0 | 5 - 15 | Trace | 1019 - 1038 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:13 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:20 | 2.6 | 21.2 | 0.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:20 | 2.6 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:10 | 0.0 | 21.4 | 0.1 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:10 | 0.0 | 21.4 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:13 | 3.4 | 18.8 | 5.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:13 | 3.4 | 18.7 | 4.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:12 | 0.0 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:12 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 72.8 | 15.8 | 0.5 | 0.1 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 72.8 | 15.7 | 1.2 | 0.2 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/28/2014 | 13:35 | 0.0 | 21.8 | 0.1 | 0.0 | 5 | None | 1030 - 1033 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:35 | 0.0 | 21.1 | 0.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.1 | 21.3 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.1 | 21.4 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:44 | 0.0 | 18.8 | 3.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:44 | 0.0 | 18.8 | 4.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:19 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:19 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:50 | 60.9 | 15.5 | 0.7 | 0.1 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:50 | 60.9 | 15.0 | 1.2 | 0.2 | | | | |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|------------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | -- | | 2.0 | 11.6 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | | 4.6 | 10.0 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none | | |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none | | |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|--|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none | | |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch | | |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None | | |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace | | |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None | | |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None | | |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/30/2013 | 14:45 | 0.0 | 16.8 | 3.4 | 0.0 | 0.0 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 17.0 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:50 | 0.0 | 16.3 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:50 | 0.0 | 16.7 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/9/2013 | 14:41 | 0.0 | 14.8 | 3.3 | 0.0 | 0.0 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:41 | 0.0 | 14.9 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:45 | 0.0 | 14.1 | 3.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:45 | 0.0 | 14.5 | 1.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/16/2013 | 13:25 | 0.0 | 15.3 | 4.1 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| GP-2 (12') with filter | | 13:25 | 0.0 | 15.3 | 4.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/21/2013 | 15:29 | 0.0 | 13.7 | 3.8 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch | | |
| GP-2 (12') with filter | | 15:29 | 0.0 | 13.8 | 3.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:32 | 0.0 | 12.7 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:32 | 0.0 | 12.8 | 3.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/30/2013 | 13:20 | 0.0 | 15.8 | 3.8 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| GP-2 (12') with filter | | 13:20 | 0.0 | 15.8 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:25 | 0.0 | 13.1 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:25 | 0.0 | 13.0 | 5.3 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/6/2013 | 14:50 | 0.0 | 16.3 | 4.6 | 0.0 | 0.0 | 60s | 0.25 inch | | |
| GP-2 (12') with filter | | 14:50 | 0.0 | 16.2 | 4.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:00 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:00 | 0.0 | 14.7 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/13/2013 | 16:05 | 0.0 | 8.2 | 5.4 | 0.0 | 0.0 | 60s - 80s | 1.55 inch | | |
| GP-2 (12') with filter | | 16:05 | 0.0 | 7.5 | 5.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 16:10 | -- | 5.2 | 6.6 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 16:10 | -- | 5.1 | 6.4 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 6/20/2013 | -- | 0.0 | 8.0 | 6.1 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.3 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | -- | -- | 5.3 | 6.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | -- | -- | 5.6 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/27/2013 | 14:06 | 0.6 | 15.9 | 1.5 | 0.0 | 0.0 | 70s - 80s | Trace | | |
| GP-2 (12') with filter | | 14:06 | 0.6 | 16.3 | 0.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 43.6 | 3.7 | 2.6 | 1.6 | 30 | | | | |
| GP-2 (16') with filter | | 14:11 | 43.6 | 2.1 | 3.6 | 1.0 | 20 | | | | |
| GP-2 (12') without filter | 7/3/2013 | 13:18 | 23.5 | 6.9 | 4.9 | 1.4 | 28 | 60s - 80s | Trace | | |
| GP-2 (12') with filter | | 13:18 | 23.5 | 7.5 | 3.4 | 0.7 | 13 | | | | |
| GP-2 (16') without filter | | 13:22 | 59.6 | 1.9 | 7.1 | 5.8 | >100 | | | | |
| GP-2 (16') with filter | | 13:22 | 59.6 | 1.6 | 6.9 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/11/2013 | 14:45 | 40.4 | 4.0 | 6.5 | 6.5 | >100 | 60s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 40.4 | 4.0 | 4.9 | 3.4 | 68 | | | | |
| GP-2 (16') without filter | | 14:51 | 55.6 | 4.6 | 6.2 | 11.2 | >100 | | | | |
| GP-2 (16') with filter | | 14:51 | 55.6 | 3.9 | 5.0 | 2.2 | 44 | | | | |
| GP-2 (12') without filter | 7/18/2013 | 14:35 | 20.4 | 17.7 | 1.2 | 0.5 | 10 | 70s - 90s | None | | |
| GP-2 (12') with filter | | 14:35 | 20.4 | 17.7 | 1.0 | 0.2 | 5 | | | | |
| GP-2 (16') without filter | | 14:41 | 44.3 | 1.9 | 7.4 | 5.1 | >100 | | | | |
| GP-2 (16') with filter | | 14:41 | 44.3 | 4.7 | 1.8 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/25/2013 | 14:15 | 38.7 | 4.8 | 6.5 | 3.8 | 75 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:15 | 38.7 | 4.7 | 6.1 | 3.0 | 60 | | | | |
| GP-2 (16') without filter | | 14:20 | 48.3 | 4.4 | 7.9 | 4.0 | 80 | | | | |
| GP-2 (16') with filter | | 14:20 | 48.3 | 4.2 | 8.3 | 3.3 | 65 | | | | |
| GP-2 (12') without filter | 8/1/2013 | 14:00 | 83.5 | 8.1 | 5.3 | 1.4 | 28 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:00 | 83.5 | 6.2 | 4.9 | 1.1 | 21 | | | | |
| GP-2 (16') without filter | | 14:05 | 89.8 | 4.1 | 7.3 | 2.8 | 55 | | | | |
| GP-2 (16') with filter | | 14:05 | 89.8 | 3.1 | 7.2 | 1.8 | 35 | | | | |
| GP-2 (12') without filter | 8/6/2013 | 14:06 | 10.5 | 3.9 | 7.6 | 1.3 | 27 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:06 | 10.5 | 3.7 | 5.9 | 1.0 | 21 | | | | |
| GP-2 (16') without filter | | 14:10 | 31.6 | 4.3 | 7.4 | 2.5 | 51 | | | | |
| GP-2 (16') with filter | | 14:10 | 31.6 | 3.1 | 6.1 | 1.7 | 34 | | | | |
| GP-2 (12') without filter | 8/15/2013 | 13:35 | 16.6 | 7.9 | 3.1 | 2.0 | 40 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 13:35 | 16.6 | 7.7 | 3.3 | 1.6 | 32 | | | | |
| GP-2 (16') without filter | | 13:40 | 20.6 | 1.5 | 6.2 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:40 | 20.6 | 1.4 | 7.5 | 2.0 | 40 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|---|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 8/22/2013 | 14:41 | 33.9 | 3.2 | 8.0 | 2.3 | 47 | 60s - 80s | Trace (0.06 in.) | | |
| GP-2 (12') with filter | | 14:41 | 33.9 | 3.2 | 8.4 | 2.0 | 41 | | | | |
| GP-2 (16') without filter | | 14:45 | 55.0 | 1.8 | 8.5 | 4.3 | 87 | | | | |
| GP-2 (16') with filter | | 14:45 | 55.0 | 1.6 | 8.3 | 2.0 | 41 | | | | |
| GP-2 (12') without filter | 8/27/2013 | 14:21 | 22.8 | 2.5 | 8.4 | 3.7 | 74 | 70s - 80s | None | | |
| GP-2 (12') with filter | | 14:21 | 22.8 | 2.6 | 8.9 | 1.9 | 39 | | | | |
| GP-2 (16') without filter | | 14:26 | 39.5 | 2.3 | 8.7 | 7.9 | >100 | | | | |
| GP-2 (16') with filter | | 14:26 | 39.5 | 2.2 | 9.0 | 6.1 | >100 | | | | |
| GP-2 (12') without filter | 9/5/2013 | - | 31.3 | 2.2 | 8.7 | 7.0 | >100 | 50s - 80s | None | | |
| GP-2 (12') with filter | | - | 31.3 | 2.3 | 6.9 | 3.0 | 58 | | | | |
| GP-2 (16') without filter | | - | 39.0 | 3.1 | 8.3 | 8.4 | >100 | | | | |
| GP-2 (16') with filter | | - | 39.0 | 3.7 | 6.5 | 2.8 | 56 | | | | |
| GP-2 | 9/12/2013 | Inaccessible due to high water/flood conditions | | | | | | 60s - 80s | 0.29 inches | | |
| GP-2 (12') without filter | 9/20/2013 | | 24.7 | 2.6 | 8.7 | 3.2 | 65 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| GP-2 (12') with filter | | | 24.7 | 2.1 | 8.1 | 1.8 | 34 | | | | |
| GP-2 (16') without filter | | | 40.4 | 1.4 | 9.6 | 7.0 | >100 | | | | |
| GP-2 (16') with filter | | | 40.4 | 1.5 | 8.9 | 2.1 | 42 | | | | |
| GP-2 (12') without filter | 9/24/2013 | 14:27 | 55.7 | 1.8 | 9.6 | 3.6 | 71 | 40s - 70s | None | 1016 - 1018 | |
| GP-2 (12') with filter | | 14:27 | 55.7 | 1.9 | 9.2 | 3.3 | 67 | | | | |
| GP-2 (16') without filter | | 14:33 | 68.4 | 1.5 | 10.0 | 4.3 | 86 | | | | |
| GP-2 (16') with filter | | 14:33 | 68.4 | 1.6 | 10.6 | 3.9 | 78 | | | | |
| GP-2 (12') without filter | 10/3/2013 | 13:27 | 0.9 | 6.8 | 7.2 | 1.3 | 25 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| GP-2 (12') with filter | | 13:27 | 0.9 | 6.9 | 5.8 | 1.1 | 17 | | | | |
| GP-2 (16') without filter | | 13:35 | 53.6 | 3.6 | 8.9 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:35 | 53.6 | 3.3 | 7.5 | 1.4 | 27 | | | | |
| GP-2 (12') without filter | 10/10/2013 | 13:41 | 18.6 | 0.7 | 10.3 | 1.9 | 38 | 40s - 70s | None | 1020 - 1022 | |
| GP-2 (12') with filter | | 13:41 | 18.6 | 0.5 | 10.2 | 1.3 | 27 | | | | |
| GP-2 (16') without filter | | 13:47 | 22.6 | 0.9 | 10.3 | 1.9 | 39 | | | | |
| GP-2 (16') with filter | | 13:47 | 22.6 | 1.7 | 9.0 | 1.2 | 25 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: | Date: | Time | PID (ppm) | O₂ (%) | CO₂ (%) | CH₄^[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | Water Levels (ft BTOR) |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 10/17/2013 | 14:46 | 22.8 | 1.2 | 10.5 | 1.4 | 28 | 40s - 50s | 0.1 inches | 1011 - 1014 | MW-7: 18.56 |
| GP-2 (12') with filter | | 14:46 | 22.8 | 7.5 | 6.8 | 0.8 | 16 | | | | MW-8: 18.70 |
| GP-2 (16') without filter | | 14:50 | 23.1 | 1.3 | 10.6 | 1.5 | 29 | | | | MW-11: 20.31 |
| GP-2 (16') with filter | | 14:50 | 23.1 | 1.5 | 10.1 | 1.2 | 23 | | | | MW-12: 20.39 |
| GP-2 (12') without filter | 10/24/2013 | 13:42 | 0.0 | 1.5 | 10.9 | 0.0 | 0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | MW-7: 18.69 |
| GP-2 (12') with filter | | 13:42 | 0.0 | 1.6 | 10.2 | 0.0 | 0 | | | | MW-8: 18.83 |
| GP-2 (16') without filter | | 13:47 | 5.6 | 4.6 | 9.6 | 0.0 | 0 | | | | MW-11: 20.66 |
| GP-2 (16') with filter | | 13:47 | 5.6 | 4.9 | 8.6 | 0.0 | 0 | | | | MW-12: 20.44 |
| GP-2 (12') without filter | 10/31/2013 | 15:07 | 0.0 | 6.3 | 8.2 | 0.0 | 0 | 60s | 1.25 inches | 1000 - 1010 | MW-7: 18.71 |
| GP-2 (12') with filter | | 15:07 | 0.0 | 6.4 | 7.3 | 0.0 | 0 | | | | MW-8: 18.87 |
| GP-2 (16') without filter | | 15:13 | 1.1 | 6.4 | 8.3 | 0.0 | 0 | | | | MW-11: 20.69 |
| GP-2 (16') with filter | | 15:13 | 1.1 | 6.7 | 7.5 | 0.0 | 0 | | | | MW-12: 20.47 |
| GP-2 (12') without filter | 11/7/2013 | 13:45 | 0.0 | 4.6 | 9.5 | 0.0 | 0 | 40s | Trace (0.04 inches) | 1020 - 1025 | MW-7: 18.43 |
| GP-2 (12') with filter | | 13:45 | 0.0 | 4.1 | 7.9 | 0.0 | 0 | | | | MW-8: 18.57 |
| GP-2 (16') without filter | | 13:51 | 0.0 | 2.6 | 10.7 | 0.0 | 0 | | | | MW-11: 20.28 |
| GP-2 (16') with filter | | 13:51 | 0.0 | 2.6 | 10.2 | 0.0 | 0 | | | | MW-12: 20.13 |
| GP-2 (12') without filter | 11/12/2013 | 13:32 | 0.0 | 5.8 | 9.5 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 | MW-7: 18.28 |
| GP-2 (12') with filter | | 13:32 | 0.0 | 6.2 | 8.6 | 0.0 | 0 | | | | MW-8: 18.37 |
| GP-2 (16') without filter | | 13:38 | 0.0 | 5.4 | 9.6 | 0.0 | 0 | | | | MW-11: 20.02 |
| GP-2 (16') with filter | | 13:38 | 0.0 | 5.3 | 8.6 | 0.0 | 0 | | | | MW-12: 19.86 |
| GP-2 (12') without filter | 11/20/2013 | 14:10 | 0.0 | 4.5 | 10.1 | 0.0 | 0 | 20s - 40s | None | 1023 - 1026 | MW-7: 18.27 |
| GP-2 (12') with filter | | 14:10 | 0.0 | 5.0 | 8.3 | 0.0 | 0 | | | | MW-8: 18.40 |
| GP-2 (16') without filter | | 14:15 | 0.0 | 3.5 | 10.4 | 0.0 | 0 | | | | MW-11: 20.24 |
| GP-2 (16') with filter | | 14:15 | 0.0 | 4.0 | 9.8 | 0.0 | 0 | | | | MW-12: 20.02 |
| GP-2 (12') without filter | 11/26/2013 | 14:35 | 0.0 | 3.4 | 10.4 | 0.1 | 1 | 30s | Trace (0.01 inches) | 1013 - 1019 | MW-7: 18.10 |
| GP-2 (12') with filter | | 14:35 | 0.0 | 3.4 | 9.5 | 0.0 | 0 | | | | MW-8: 18.25 |
| GP-2 (16') without filter | | 14:39 | 0.0 | 3.3 | 10.7 | 0.1 | 1 | | | | MW-11: 20.07 |
| GP-2 (16') with filter | | 14:39 | 0.0 | 3.3 | 10.6 | 0.1 | 1 | | | | MW-12: 19.85 |
| GP-2 (12') without filter | 12/5/2013 | 14:44 | 0.0 | 6.5 | 9.7 | 0.0 | 0 | 30s - 40s | 0.07 inches | 1013 - 1016 | MW-7: 18.38 |
| GP-2 (12') with filter | | 14:44 | 0.0 | 6.6 | 8.7 | 0.0 | 0 | | | | MW-8: 18.52 |
| GP-2 (16') without filter | | 14:49 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | | | MW-11: 20.35 |
| GP-2 (16') with filter | | 14:49 | 0.0 | 7.4 | 8.3 | 0.0 | 0 | | | | MW-12: 20.13 |
| GP-2 (12') without filter | 12/12/2013 | 15:45 | 0.0 | 9.9 | 8.5 | 0.0 | 0 | 15 - 20 | None | 1030 - 1036 | MW-7: 18.45 |
| GP-2 (12') with filter | | 15:45 | 0.0 | 9.7 | 8.3 | 0.0 | 0 | | | | MW-8: 18.60 |
| GP-2 (16') without filter | | 15:49 | 0.0 | 7.3 | 10.4 | 0.0 | 0 | | | | MW-11: 20.42 |
| GP-2 (16') with filter | | 15:49 | 0.0 | 6.9 | 9.8 | 0.0 | 0 | | | | MW-12: 20.20 |
| GP-2 (12') without filter | 12/19/2013 | 14:48 | 0.0 | 10.8 | 7.8 | 0.0 | 0 | 30s - 40s | None | 1016 - 1018 | MW-7: 18.39 |
| GP-2 (12') with filter | | 14:48 | 0.0 | 11.0 | 6.8 | 0.0 | 0 | | | | MW-8: 18.54 |
| GP-2 (16') without filter | | 14:51 | 0.0 | 9.0 | 8.9 | 0.0 | 0 | | | | MW-11: 20.37 |
| GP-2 (16') with filter | | 14:51 | 0.0 | 9.6 | 7.9 | 0.0 | 0 | | | | MW-12: 20.21 |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 12/23/2013 | 11:20 | 0.0 | 8.1 | 7.9 | 0.0 | 0 | 20s - 30s | Trace (0.02 inches) | 1026 - 1029 | MW-7: 15.63 |
| GP-2 (12') with filter | | 11:20 | 0.0 | 8.1 | 6.9 | 0.0 | 0 | | | | MW-8: 15.72 |
| GP-2 (16') without filter | | 11:27 | 0.0 | 5.8 | 10.4 | 0.0 | 0 | | | | MW-11: 17.45 |
| GP-2 (16') with filter | | 11:27 | 0.0 | 7.6 | 8.7 | 0.0 | 0 | | | | MW-12: 17.32 |
| GP-2 (12') without filter | 1/2/2014 | 16:20 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 20s - 30s | 5.46 inches | 1012 - 1026 | MW-7: 15.24 |
| GP-2 (12') with filter | | 16:20 | 0.0 | 18.2 | 0.3 | 0.0 | 0 | | | | MW-8: 15.39 |
| GP-2 (16') without filter | | 16:24 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | | MW-11: 17.21 |
| GP-2 (16') with filter | | 16:24 | 0.0 | 21.5 | 0.3 | 0.0 | 0 | | | | MW-12: 16.98 |
| GP-2 (12') without filter | 1/9/2014 | 14:40 | 0.0 | 13.8 | 6.6 | 0.0 | 0 | 20s - 30s | 1.55 inches | 1026 - 1035 | MW-7: 15.17 |
| GP-2 (12') with filter | | 14:40 | 0.0 | 14.0 | 6.0 | 0.0 | 0 | | | | MW-8: 15.28 |
| GP-2 (16') without filter | | 14:45 | 0.0 | 12.0 | 8.2 | 0.0 | 0 | | | | MW-11: 17.11 |
| GP-2 (16') with filter | | 14:45 | 0.0 | 13.1 | 6.7 | 0.0 | 0 | | | | MW-12: 16.98 |
| GP-2 (12') without filter | 1/16/2014 | 13:00 | 0.0 | 13.8 | 6.1 | 0.0 | 0 | 20s - 30s | 0.97 inches | 1008 - 1019 | MW-7: 15.93 |
| GP-2 (12') with filter | | 13:00 | 0.0 | 13.9 | 3.8 | 0.0 | 0 | | | | MW-8: 16.06 |
| GP-2 (16') without filter | | 13:07 | 0.0 | 12.9 | 7.2 | 0.0 | 0 | | | | MW-11: 17.90 |
| GP-2 (16') with filter | | 13:07 | 0.0 | 13.2 | 4.1 | 0.0 | 0 | | | | MW-12: 17.71 |
| GP-2 (12') without filter | 1/23/2014 | 13:00 | 0.0 | 16.8 | 5.1 | 0.0 | 0 | 5 - 15 | Trace | 1019 - 1038 | MW-7: 15.62 |
| GP-2 (12') with filter | | 13:00 | 0.0 | 16.5 | 4.7 | 0.0 | 0 | | | | MW-8: 15.83 |
| GP-2 (16') without filter | | 13:07 | 0.0 | 15.4 | 6.0 | 0.0 | 0 | | | | MW-11: 17.59 |
| GP-2 (16') with filter | | 13:07 | 0.0 | 15.3 | 4.9 | 0.0 | 0 | | | | MW-12: 17.46 |
| GP-2 (12') without filter | 1/28/2014 | 14:25 | 0.0 | 17.3 | 4.6 | 0.0 | 0 | 5 | None | 1030 - 1033 | MW-7: 17.27 |
| GP-2 (12') with filter | | 14:25 | 0.0 | 17.3 | 4.1 | 0.0 | 0 | | | | MW-8: 17.41 |
| GP-2 (16') without filter | | 14:30 | 0.0 | 15.2 | 6.5 | 0.0 | 0 | | | | MW-11 & MW- |
| GP-2 (16') with filter | | 14:30 | 0.0 | 15.2 | 5.8 | 0.0 | 0 | | | | 12: iced over |

Notes

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP22-13 (20') without filter | 7/11/2013 | 14:55 | 0.1 | 8.4 | 3.4 | 0.0 | 0 | 60s - 70s | None |
| GP22-13 (20') with filter | | 14:55 | 0.1 | 8.4 | 3.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 15:01 | 0.9 | 15.6 | 3.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:01 | 0.9 | 15.0 | 2.1 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 10.1 | 7.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 8.6 | 7.5 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | 7/18/2013 | 15:10 | 0.3 | 11.5 | 6.1 | 0.0 | 0 | 70s - 90s | None |
| GP24B-13 (4.5') with filter | | 15:10 | 0.3 | 11.4 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 15:31 | 0.0 | 16.2 | 3.0 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 15:31 | 0.0 | 16.1 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 15:31 | 0.0 | 13.0 | 5.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 15:31 | 0.0 | 13.4 | 4.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 15:25 | 0.1 | 0.9 | 10.2 | 0.5 | 12 | | |
| GP12-09 (6') with filter | | 15:25 | 0.1 | 1.2 | 11.3 | 0.6 | 12 | | |
| GP22-13 (20') without filter | | 14:45 | 0.3 | 14.5 | 1.0 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:45 | 0.3 | 14.6 | 1.3 | 0.1 | 1 | | |
| GP23-13 (18.5') without filter | | 14:51 | 0.0 | 12.2 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:51 | 0.0 | 12.4 | 6.0 | 0.1 | 1 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.4 | 4.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.2 | 4.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | 7/25/2013 | 15:02 | 0.0 | 14.1 | 4.9 | 0.0 | 0 | 50s - 70s | None |
| GP24B-13 (4.5') with filter | | 15:02 | 0.0 | 16.8 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:24 | 0.0 | 16.8 | 3.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:24 | 0.0 | 16.7 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:24 | 0.0 | 13.2 | 5.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:24 | 0.0 | 13.2 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:24 | 0.0 | 10.4 | 6.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:24 | 0.0 | 10.4 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:37 | 0.6 | 18.0 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:37 | 0.6 | 18.0 | 4.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | 8/1/2013 | 14:42 | 0.0 | 14.1 | 4.8 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') without filter | | 14:42 | 0.0 | 14.2 | 4.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:11 | 0.0 | 12.4 | 5.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:11 | 0.0 | 12.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:17 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:17 | 0.0 | 16.4 | 3.0 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:17 | 0.0 | 13.2 | 4.7 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:17 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:17 | 0.0 | 11.4 | 6.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:17 | 0.0 | 11.1 | 6.1 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:30 | 0.1 | 7.8 | 7.3 | 0.3 | 6 | | |
| GP12-09 (6') with filter | | 14:30 | 0.1 | 8.3 | 7.8 | 0.2 | 4 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: | Date: | Time | PID (ppm) | O₂ (%) | CO₂ (%) | CH₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP23-13 (18.5') without filter | 8/6/2013 | 13:56 | 0.1 | 12.6 | 5.4 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 13:56 | 0.1 | 10.4 | 5.8 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:40 | 0.0 | 16.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:40 | 0.0 | 16.1 | 4.5 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:40 | 0.0 | 13.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:40 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:40 | 0.0 | 10.5 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:40 | 0.0 | 10.6 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 8/15/2013 | 14:01 | 0.3 | 8.7 | 6.4 | 0.0 | 0 | 40s - 70s | None |
| GP12-09 (6') with filter | | 14:01 | 0.3 | 8.9 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:05 | 0.0 | 20.2 | 1.3 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:05 | 0.0 | 19.8 | 1.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:11 | 0.0 | 11.1 | 6.7 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:11 | 0.0 | 9.4 | 6.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:17 | 0.0 | 12.8 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:17 | 0.0 | 14.5 | 4.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | 8/22/2013 | 13:17 | 0.0 | 13.0 | 4.9 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) |
| GP-7 (12') with filter | | 13:17 | 0.0 | 13.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:17 | 0.0 | 9.3 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:17 | 0.0 | 9.1 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:21 | 0.0 | 0.9 | 12.0 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:21 | 0.0 | 0.9 | 11.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:15 | 0.0 | 10.4 | 6.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:15 | 0.0 | 10.6 | 6.1 | 0.0 | 0 | | |
| GP-7 (8') without filter | 8/27/2013 | 14:26 | 0.0 | 10.4 | 7.0 | 0.0 | 0 | 70s - 80s | None |
| GP-7 (8') with filter | | 14:26 | 0.0 | 10.2 | 6.4 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:26 | 0.0 | 9.5 | 7.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:26 | 0.0 | 9.2 | 7.2 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:26 | 0.0 | 8.2 | 7.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:26 | 0.0 | 8.4 | 7.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:55 | 0.3 | 1.6 | 11.9 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:55 | 0.3 | 1.5 | 11.2 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/27/2013 | 14:01 | 0.1 | 10.5 | 7.5 | 0.0 | 0 | 70s - 80s | None |
| GP23-13 (18.5') with filter | | 14:01 | 0.1 | 8.6 | 8.2 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:05 | 0.0 | 11.1 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:05 | 0.0 | 10.4 | 7.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:05 | 0.1 | 9.8 | 7.6 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:05 | 0.1 | 9.2 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:05 | 0.1 | 8.9 | 7.8 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:05 | 0.1 | 8.9 | 7.5 | 0.0 | 0 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP12-09 (6') without filter | 9/5/2013 | - | 0.0 | 17.9 | 3.1 | 0.1 | 1 | 50s - 80s | None |
| GP12-09 (6') with filter | | - | 0.0 | 17.5 | 3.7 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | - | 0.3 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | - | 0.3 | 11.7 | 5.5 | 0.0 | 0 | | |
| GP-7 (8') without filter | | - | 0.0 | 11.0 | 7.2 | 0.0 | 0 | | |
| GP-7 (8') with filter | | - | 0.0 | 11.3 | 5.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | - | 0.0 | 10.3 | 7.5 | 0.0 | 0 | | |
| GP-7 (12') with filter | | - | 0.0 | 10.6 | 6.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | - | 0.0 | 8.4 | 8.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | - | 0.0 | 8.4 | 7.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 9/12/2013 | 17:45 | 0.0 | 10.4 | 8.1 | 0.1 | 2 | 60-80s | 0.29 inches |
| GP23-13 (18.5') with filter | | 17:45 | 0.0 | 10.7 | 6.4 | 0.1 | 2 | | |
| GP-7 (8') without filter | | -- | 0.0 | 10.9 | 7.6 | 0.0 | 0 | | |
| GP-7 (8') with filter | | -- | 0.0 | 10.8 | 7.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | -- | 0.1 | 8.3 | 9.3 | 0.0 | 0 | | |
| GP-7 (12') with filter | | -- | 0.1 | 8.2 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') without filter | | -- | -- | 7.8 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') with filter | | -- | -- | 7.9 | 8.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | 10/17/2013 | 14:18 | 0.0 | 11.5 | 7.1 | 0.0 | 0 | 40s - 50s | 0.1 inches |
| GP-7 (8') with filter | | 14:18 | 0.0 | 13.5 | 5.1 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:23 | 0.0 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:23 | 0.0 | 9.3 | 8.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:27 | 0.0 | 7.9 | 10.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:27 | 0.0 | 8.4 | 9.3 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:14 | 0.0 | 17.4 | 2.4 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:14 | 0.0 | 17.6 | 1.5 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:31 | 0.0 | 0.5 | 9.7 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:31 | 0.0 | 1.0 | 8.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:35 | 0.0 | 8.7 | 10.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:35 | 0.0 | 8.2 | 10.0 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 8.1 | 10.4 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 10.8 | 7.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:42 | 0.0 | 11.4 | 7.2 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:42 | 11.8 | 5.9 | 0.0 | 0.0 | 0 | | |
| GP-7 (8') without filter | 11/12/2013 | 13:00 | 0.0 | 14.4 | 5.5 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) |
| GP-7 (8') with filter | | 13:00 | 0.0 | 15.5 | 4.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:06 | 0.0 | 13.7 | 6.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:06 | 0.0 | 13.8 | 5.5 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:13 | 0.0 | 10.6 | 8.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:13 | 0.0 | 11.7 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:19 | 0.0 | 16.1 | 2.7 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:19 | 0.0 | 16.8 | 1.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:25 | 0.0 | 10.3 | 8.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:25 | 0.0 | 10.1 | 7.6 | 0.0 | 0 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP-7 | 12/19/2013 | Buried Under Snow & Ice | | | | | | 30s - 40s | None |
| GP12-09 (6') without filter | | 14:54 | 0.0 | 19.9 | 0.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:54 | 0.0 | 19.0 | 0.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:57 | 0.0 | 12.1 | 8.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:57 | 0.0 | 12.4 | 7.0 | 0.0 | 0 | | |
| GP-7 (8') without filter | 1/9/2014 | 14:25 | 0.0 | 18.5 | 2.7 | 0.0 | 0 | 20s - 30s | 1.55 inches |
| GP-7 (8') with filter | | 14:25 | 0.0 | 19.0 | 1.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:30 | 0.0 | 18.2 | 2.8 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:30 | 0.0 | 18.4 | 1.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:36 | 0.0 | 16.2 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:36 | 0.0 | 16.7 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:20 | 0.0 | 12.9 | 3.6 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:20 | 0.0 | 12.6 | 2.9 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:00 | 0.0 | 8.5 | 6.3 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:00 | 0.0 | 15.8 | 2.5 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:05 | 0.0 | 14.2 | 6.1 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:05 | 0.0 | 16.8 | 3.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:11 | 0.0 | 14.3 | 5.4 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 14:11 | 0.0 | 17.7 | 2.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:16 | 0.1 | 16.5 | 3.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:16 | 0.1 | 15.5 | 2.7 | 0.0 | 0 | | |

Notes

PID - Photoionization Detector
 O₂ - Oxygen
 CO₂ - Carbon Dioxide
 CH₄ - Methane
 LEL - Lower Explosive Limit
 NM - Not measured
 U - Qualified as non-detect due to issues with the filter
 Value - Value is greater than LEL for methane (5 percent methane)



**CONESTOGA-ROVERS
& ASSOCIATES**

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March 7, 2014

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: February 1 through 28, 2014
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAO) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAO), and the ASAO for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAO), for the period of February 1 through 28, 2014.

The next Progress Report for the month of March 2014 will be submitted on or before April 10, 2014.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

RI/FS ASAO Developments

On February 26, 2014, CRA provided USEPA with a revised schedule for the completion of the Remedial investigation and Feasibility Study (RI/FS) activities for the South Dayton Dump and Landfill Site.

On February 27, 2014, USEPA, Ohio EPA and the Respondents participated in a conference call in which USEPA provided preliminary feedback for the revised OU2 Remedial Investigation/Feasibility Study (RI/FS) Work Plan.



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Removal Action ASAOOC Developments

As of February 13, 2014, the Respondents have completed 30-day proficiency sampling in all buildings requiring mitigation and 180-day proficiency sampling in Building 24 (Globe Equipment). In March 2014, the Respondents will complete 180-day proficiency sampling in Building 9 (B&G Trucking) and additional proficiency sampling in Building 8 (B&G Trucking) to determine whether sub-slab contaminant concentrations continue to decline in response to operation of the SSDS.

On February 6, 13, 20, and 27, 2014, USEPA, Ohio EPA, USEPA START contractor CSS-Dynamac, and the Respondents participated in conference calls regarding the status of vapor intrusion (VI) mitigation.

During the February conference calls, the participants discussed the following topics:

- Update on SSDS vacuum readings and review of preliminary analytical results from proficiency sampling at Building 8 (B&G Trucking), Building 12 (Overstreet Painting and S&J Precision), Building 14 (Bullseye Amusements), Building 15 (SIM Trainer), and Building 17 (Megacity Construction).
- USEPA and Respondents agree that the SSDSs at Building 17 (Megacity Construction) and Building 24 (Globe Equipment) have decreased indoor air (IA) and sub-slab (SS) concentrations to less than ODH screening levels.
- Weekly methane field screening values from SIM Trainer Building 15, and GP-2.
- Contingency measures for trichloroethene (TCE) mitigation in Building 12 (Overstreet Painting and S&J Precision) that would reduce SS concentrations to less than the Ohio Department of Health (ODH) screening level.
- Benzene presence in Building 14 (Bullseye Amusements) at concentrations greater than ODH screening levels. As requested, the Respondents provided USEPA with a summary of benzene data for Building 14.
- Rationale for February 2014 SS sampling locations at Building 15 (SIM Trainer). Locations were adjusted based on safety and access concerns.
- USEPA's request for a proposal that outlines a corrective action for TCE mitigation at Building 15 (SIM Trainer). The corrective action is to present specific measures and detail the proposed timeline.

On February 6, 2014, CRA provided USEPA, Ohio EPA, Respondents, Public Health – Dayton & Montgomery County, and USEPA SMART contractor CSS-Dynamac with preliminary analytical results from the follow-up hybrid proficiency sampling round at Building 8 (B&G Trucking), completed in January 2014.



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On February 10, 2014, CRA provided USEPA, Respondents, and USEPA SMART contractor CSS-Dynamac with notification of a sample location change for the 180-day hybrid proficiency sampling at Building 24 (Globe Equipment). On February 10, 2014, USEPA agreed to the sample location change.

On February 13, 2014, CRA provided USEPA, Ohio EPA, Respondents, Public Health – Dayton & Montgomery County and USEPA SMART contractor CSS-Dynamac, with preliminary analytical results from Building 12 (Overstreet Painting and S&J Precision), Building 14 (Bullseye Amusements), and Building 17 (Megacity Construction) from the January 2014 proficiency sampling events.

On February 20, 2014, CRA provided USEPA, Ohio EPA, Respondents, Public Health – Dayton & Montgomery County, and USEPA START contractor CSS-Dynamac with proposed corrective measures for Building 12 (Overstreet Painting and S&J Precision). On February 27, 2014, USEPA accepted CRA's proposed corrective action, and implemented a deadline of sixty days (thirty days for implementation and an additional thirty days for sampling and monitoring).

On February 20, 2014, CRA provided USEPA, Ohio EPA, Respondents, Public Health – Dayton & Montgomery County, and USEPA START contractor with a memorandum summarizing the benzene data for sub-slab and indoor air samples collected from Building 14 (Bullseye Amusements).

SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As previously discussed with USEPA, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation has had, and will have, on their business. The Respondents will continue to work with USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.



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& ASSOCIATES**

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- The Respondents will complete additional proficiency sampling at Building 8 (B&G Trucking) and 180-day proficiency sampling at Building 9 (B&G Trucking).
- CRA will implement the corrective action agreed upon by the Respondents and USEPA for Building 12 (Overstreet Painting and S&J Precision) within the specified time period of sixty days.
- The Respondents will submit the following to USEPA:
 - Individual OU2 Work Plans
 - QAPP update and revision
 - A proposal that outlines a corrective action for Building 15 (SIM Trainer)

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley

VC/cb/15
Encl.

cc: (all by pdf) Wendell Barner, Barner Consulting
 Tim Hoffman, Dinsmore & Shohl
 Robin Lunn, Neal, Gerber & Eisenberg
 Bryan Heath, NCR
 Scott Blackhurst, Kelsey Hayes Company
 John Sherrard, CSS-Dynamac Corporation

Madelyn Smith, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Wray Blattner, Thompson Hine
Adam Loney, CRA

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID</i> <i>(ppm)</i> | <i>O₂</i> <i>(%)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> | <i>Barometric Pressure</i> <i>(hPa)</i> |
|---|--------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|--|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0.0 | ND(1) ¹ | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1.0 | 3.3 | 0.8 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3.0 | 0.0 | 0 | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3.0 | 5.1 | 1.1 | 24 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3.0 | 0.5 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|--|------------------------------|
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.1 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 7/19/2012 | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:45 | 0.0 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 7/26/2012 | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 9:40 | 0.0 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 8/2/2012 | 9:40 | 0.0 | 20.7 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 9:57 | -- | -- | -- | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 8/7/2012 | 9:57 | 0.3 | -- | 0.1 | 0 | low 90s | none | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 11:55 | 0.1 | 20.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0 | | | |
| 5173 / 1 / B / Firing Range | 8/16/2012 | Inaccessible due to Firing Range operation | | | | | 80 - low 90s | none | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 14:05 | 0.0 | 21.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 8/21/2012 | 13:45 | 0.0 | 20.4 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 8/30/2012 | 13:44 | 0.5 | 19.4 | 1.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 39 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 14:07 | 0.0 | 20.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 9/6/2012 | 14:07 | 3.8 | 19.2 | 0.9 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 0.0 | 20.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 38 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 9/13/2012 | 12:08 | 0.5 | 19.2 | 1.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:23 | 0.0 | 21.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 60.2 | 0.8 | 5.1 | 2.3 45 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 60.2 | 1.0 | 6.0 | 2.7 55 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----------------|
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | low 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | | | | 41 |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | | | | 52 |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | 60s - 70s | none | |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | mid 60s | light rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | | | | 40 |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | | | | 56 |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | mid 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | | | | 1 ^R |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | | | | 1 ^R |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | | | | 31 |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 30s - 40s | snow & rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | | | | 34 |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | | | | 43 |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | | | | 27 |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | | | | 33 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | | | | 21 |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | | | | 27 |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 50s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | | | | 9 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 40s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | | | | 22 |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | | | | 30 |
| 5173 / 1 / A / Office area ambient air with filter | | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:26 | | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:29 | | 0.1 | 13.6 | 4.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:29 | | 0.1 | 13.7 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 14:17 | | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 14:17 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:34 | | 0.2 | 9.1 | 7.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:34 | | 0.2 | 9.1 | 7.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:07 | | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:07 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:39 | | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | 15:39 | | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 40s | sunny | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | | | | 1 U |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | | | | 2 U |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | | | | 1 U |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | | | | 1 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | | | | 2 U |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | | | | 26 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>Time</i> | <i>PID</i> <i>(ppm)</i> | <i>O₂</i> <i>(%)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> | <i>Barometric Pressure</i> <i>(hPa)</i> |
|---|--------------|-------------|----------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|--|
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | 10s - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | 15 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | 22 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | 21 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | 19 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 20s - 50s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 20s | trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | | | | | |
| 5173 / 1 / C / Storage area without filter | | 90.5 | 2.0 | 2.9 | 0.9 | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 30s - 40s | ~1 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 30s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | | | | |
| 5173 / 1 / C / Storage area without filter | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 20s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 20s - 30s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | | | | 11 |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | | | | 7 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | | | | 8 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:23 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:19 | | 1.1 | 15.5 | 3.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:19 | | 1.1 | 15.6 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:26 | | 1.3 | 6.5 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:26 | | 1.3 | 10.0 | 6.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:31 | | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | 14:31 | | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:09 | | 0.0 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:55 | | 0.3 | 16.1 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:55 | | 0.3 | 15.9 | 4.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:52 | | 0.0 | 20.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:52 | | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:59 | | 0.2 | 6.9 | 10.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:59 | | 0.2 | 6.9 | 10.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 14:00 | | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 14:00 | | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:04 | | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | 15:04 | | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 40s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | | | | 15 |
| 5173 / 1 / C / Storage area without filter | | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | | | | 22 |
| 5173 / 1 / A / Office area ambient air with filter | | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:06 | | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 15:37 | | 0.0 | 18.8 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 15:37 | | 0.0 | 18.7 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:50 | | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:50 | | 0.0 | 19.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 15:41 | | 0.9 | 6.7 | 12.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | 15:41 | | 0.9 | 6.8 | 12.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:44 | | 79.5 | 3.1 | 7.0 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | 15:44 | | 79.5 | 3.1 | 6.6 | 1.0 | 20 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | | | | 17 |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:51 | | 0.1 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 15:28 | | 1.8 | 19.2 | 2.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 15:28 | | 1.8 | 19.0 | 2.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 15:35 | | 126.8 | 4.3 | 6.5 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | 15:35 | | 126.8 | 4.4 | 6.8 | 1.1 | 23 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|-----------|--|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 80s | 1.55 inches |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | -- | 86.4 | 1.9 | 7.6 | 1.4 | 25 | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 50s - 80s | None |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | -- | 235.1 | 2.4 | 7.4 | 1.8 | 37 | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 70s - 80s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 | 26 | | |
| 5173 / 1 / C / Storage area without filter | | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 | 32 | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/3/2013 | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 80s | Trace |
| 5173 / 1 / A / Office area ambient air without filter | | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.0 | 19.0 | 1.8 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.0 | 19.0 | 1.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:47 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:47 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | | 13:05 | 5.0 | 7.7 | 10.9 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | | 13:05 | 5.0 | 7.7 | 11.7 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:25 | 217 | 3.3 | 6.5 | 1.2 | 25 | | |
| 5173 / 1 / C / Storage area without filter | | 13:25 | 217 | 3.0 | 7.4 | 1.6 | 32 | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/11/2013 | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 70s | None |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | | 15:20 | 2.4 | 19.3 | 1.7 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | | 15:20 | 2.4 | 19.2 | 1.6 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 15:25 | 102.6 | 1.7 | 7.8 | 1.2 | 24 | | |
| 5173 / 1 / C / Storage area without filter | | 15:25 | 102.6 | 1.9 | 8.0 | 1.8 | 35 | | |
| 5173 / 1 / A / Office area ambient air with filter | | 7/18/2013 | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | |
| 5173 / 1 / A / Office area ambient air without filter | 12:34 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area with filter | 15:16 | | 1.9 | 19.7 | 1.5 | 0.0 | 0 | | |
| 5173 / 1 / A / Office area without filter | 15:16 | | 1.9 | 19.8 | 1.3 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range with filter | 15:09 | | 5.0 | 8.0 | 11.0 | 0.0 | 0 | | |
| 5173 / 1 / B / Firing Range without filter | 15:09 | | 5.0 | 7.7 | 11.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | 15:45 | | 126.3 | 2.0 | 8.0 | 1.3 | 25 | | |
| 5173 / 1 / C / Storage area without filter | 15:45 | | 126.3 | 2.9 | 8.0 | 1.9 | 37 | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 7/25/2013 | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:46 | 2.4 | 19.6 | 1.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:46 | 2.4 | 19.6 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:16 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:16 | 0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:51 | 113.6 | 2.7 | 7.4 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | | 14:51 | 113.6 | 2.8 | 7.7 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 8/1/2013 | 13:34 | 0.0 | 20.8 | 0.1 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 1.0 | 18.9 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 1.0 | 19.0 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:35 | 0.9 | 7.4 | 11.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:35 | 0.9 | 7.5 | 11.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:46 | 173.9 | 2.1 | 6.7 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | 14:46 | 173.9 | 2.5 | 7.4 | 2.1 | 41 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/6/2013 | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.5 | 18.7 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.5 | 18.6 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:04 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:04 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 151.3 | 2.6 | 7.0 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 151.3 | 3.0 | 7.0 | 2.2 | | | | 44 |
| 5173 / 1 / A / Office area ambient air with filter | 8/15/2013 | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:51 | 0.3 | 19.3 | 2.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:51 | 0.3 | 19.2 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:45 | 1.8 | 6.4 | 11.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:45 | 1.8 | 6.6 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:54 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:54 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:57 | 85.8 | 2.3 | 6.6 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | 13:57 | 85.8 | 2.8 | 6.7 | 2.0 | 40 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/22/2013 | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 60s - 80s | Trace (0.06 in.) | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 91.2 | 1.6 | 7.0 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 91.2 | 1.8 | 7.0 | 2.2 | | | | 45 |
| 5173 / 1 / A / Office area ambient air with filter | 8/27/2013 | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | 70s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 1.9 | 19.2 | 1.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 1.9 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:25 | 0.0 | 20.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:25 | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.1 | 20.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.1 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 91.4 | 3.1 | 6.4 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 91.4 | 2.0 | 7.0 | 2.6 | | | | 51 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 9/5/2013 | 15:09 | - | 21.0 | 0.0 | 0.0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:09 | - | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 1.0 | 19.2 | 1.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 1.0 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | - | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | - | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:40 | 1.5 | 6.4 | 11.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:40 | 1.5 | 6.6 | 11.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:16 | - | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:16 | 0 | 2.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 85 | 2.3 | 6.9 | 1.6 | | | | 33 |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 85 | 2.3 | 6.8 | 2.2 | | | | 45 |
| 5173 / 1 / A / Office area ambient air with filter | 9/12/2013 | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | 60s-80s | 0.29 inches | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 17:35 | 0.3 | 20.0 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 17:35 | 0.3 | 19.9 | 1.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 17:40 | 0.0 | 6.8 | 11.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 17:40 | 0.0 | 6.8 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 17:43 | 83.4 | 2.4 | 7.0 | 1.7 | | | | 33 |
| 5173 / 1 / C / Storage area without filter | | 17:43 | 83.4 | 2.4 | 6.9 | 2.3 | | | | 46 |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2013 | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 0.4 | 18.7 | 1.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 0.4 | 18.6 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:24 | 1.2 | 6.5 | 10.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:24 | 1.2 | 6.5 | 10.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:29 | 88.9 | 2.0 | 6.3 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:29 | 88.9 | 2.1 | 6.1 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 9/24/2013 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | 1016 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:44 | 0.3 | 18.1 | 1.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:44 | 0.3 | 18.0 | 1.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:38 | 1.2 | 6.7 | 10.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:38 | 1.2 | 6.7 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 113.7 | 2.0 | 5.7 | 1.6 | | | | 31 |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 113.7 | 2.0 | 5.9 | 2.1 | | | | 41 |
| 5173 / 1 / A / Office area ambient air with filter | 10/3/2013 | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:39 | 0.0 | 17.9 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:39 | 0.0 | 17.9 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 121.1 | 1.7 | 5.2 | 1.5 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 121.1 | 1.8 | 5.9 | 2.0 | | | | 40 |
| 5173 / 1 / A / Office area ambient air with filter | 10/10/2013 | 13:26 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | 1020 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:56 | 0.6 | 16.2 | 1.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:56 | 0.6 | 16.2 | 1.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:01 | 1.3 | 6.0 | 9.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:01 | 1.3 | 5.8 | 10.4 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:12 | 91.55 | 2.4 | 5.6 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:12 | 91.55 | 1.8 | 5.2 | 1.9 | | | | 39 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 10/17/2013 | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 40s - 50s | 0.1 inches | 1011 - 1014 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.5 | 16.4 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.5 | 16.3 | 2.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:58 | 138.6 | 2.4 | 4.9 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 14:58 | 138.6 | 2.2 | 5.2 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | 10/24/2013 | 12:26 | 0.0 | 21.0 | 0.1 | 0.0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:26 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:50 | 3.6 | 16.2 | 1.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:50 | 3.6 | 16.0 | 2.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:54 | 223 | 4.3 | 2.5 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 13:54 | 223 | 4.9 | 4.2 | 1.3 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 10/31/2013 | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 60s | 1.25 inches | 1000 - 1010 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 1.5 | 16.6 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 1.5 | 16.8 | 2.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:13 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:13 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:21 | 1.9 | 10.3 | 6.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:21 | 1.9 | 10.3 | 7.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:26 | 0.3 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:26 | 0.3 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:26 | 103.3 | 7.4 | 3.7 | 0.7 | | | | 14 |
| 5173 / 1 / C / Storage area without filter | | 15:26 | 103.3 | 7.4 | 3.2 | 1.0 | | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 11/7/2013 | 12:48 | 0.0 | 20.9 | 0.1 | 0.0 | 40s | Trace (0.04 inches) | 1020 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 1.5 | 15.3 | 3.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 1.5 | 15.2 | 3.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:09 | 112.3 | 3.0 | 3.7 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 14:09 | 112.3 | 3.0 | 4.2 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 11/12/2013 | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:45 | 1.2 | 15.3 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:45 | 1.2 | 15.2 | 3.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:52 | 105.9 | 3.1 | 3.4 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | | 13:52 | 105.9 | 2.9 | 3.9 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2013 | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | 20s - 40s | None | 1023 - 1026 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 15.5 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 15.2 | 3.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:47 | 0.0 | 6.7 | 8.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:47 | 0.0 | 6.4 | 9.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:35 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 133.9 | 3.2 | 4.3 | 0.9 | | | | 18 |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 133.9 | 2.8 | 3.7 | 1.3 | | | | 28 |
| 5173 / 1 / A / Office area ambient air with filter | 11/26/2013 | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 30s | Trace (0.01 inches) | 1013 - 1019 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 14.6 | 4.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 14.8 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.0 | 6.5 | 8.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.0 | 6.6 | 9.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:56 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:56 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:57 | 90.7 | 2.3 | 4.2 | 1.0 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 14:57 | 90.7 | 2.2 | 3.5 | 1.3 | | | | 26 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 12/5/2013 | 13:33 | 0.1 | 21.8 | 0.0 | 0.0 | 30s - 40s | 0.07 inches | 1013 - 1016 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.1 | 21.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:07 | 1.2 | 14.8 | 3.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:07 | 1.2 | 14.8 | 4.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:14 | 0.0 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:14 | 0.0 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 1.9 | 6.6 | 8.9 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 1.9 | 6.6 | 9.4 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.3 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.3 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:11 | 189.7 | 2.8 | 3.5 | 0.9 | | | | 18 |
| 5173 / 1 / C / Storage area without filter | | 15:11 | 189.7 | 2.7 | 3.5 | 1.3 | | | | 26 |
| 5173 / 1 / A / Office area ambient air with filter | 12/12/2013 | 13:59 | 0.0 | 21.0 | 0.1 | 0.0 | 15 - 20 | None | 1030 - 1036 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:59 | 0.0 | 21.1 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:52 | 0.6 | 18.8 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:52 | 0.6 | 19.2 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:18 | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:18 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 1.6 | 6.8 | 8.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 1.6 | 6.5 | 9.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:33 | 0.0 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:33 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:57 | 96.2 | 8.8 | 2.9 | 0.3 | | | | 6 |
| 5173 / 1 / C / Storage area without filter | | 15:57 | 96.2 | 8.7 | 2.7 | 0.5 | | | | 9 |
| 5173 / 1 / A / Office area ambient air with filter | 12/19/2013 | 14:36 | 0.0 | 21.6 | 0.0 | 0.0 | 30s - 40s | None | 1016 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:36 | 0.0 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:00 | 0.6 | 20.8 | 0.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:00 | 0.6 | 20.7 | 0.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:05 | 0.0 | 9.0 | 7.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:05 | 0.0 | 9.1 | 8.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:08 | 116.3 | 11.8 | 1.3 | 0.1 | | | | 1 |
| 5173 / 1 / C / Storage area without filter | | 15:08 | 116.3 | 11.7 | 1.8 | 0.2 | | | | 3 |
| 5173 / 1 / A / Office area ambient air with filter | 12/23/2013 | 12:46 | 0.0 | 21.5 | 0.0 | 0.0 | 20s - 30s | Trace (0.02 inches) | 1026 - 1029 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:46 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:04 | 0.0 | 16.4 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:04 | 0.0 | 16.5 | 2.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:41 | 0.0 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:41 | 0.0 | 21.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:10 | 0.4 | 11.0 | 7.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:10 | 0.4 | 10.6 | 8.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0.0 | 21.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0.0 | 21.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:15 | 126.8 | 13.2 | 2.9 | 0.2 | | | | 3 |
| 5173 / 1 / C / Storage area without filter | | 13:15 | 126.8 | 13.4 | 1.8 | 0.2 | | | | 4 |
| 5173 / 1 / A / Office area ambient air with filter | 1/2/2014 | 15:48 | 0.0 | 22.0 | 0.0 | 0.0 | 20 - 30 | 5.46 inches | 1012 - 1026 | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:48 | 0.0 | 22.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 16:25 | 0.8 | 21.2 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 16:25 | 0.8 | 21.1 | 0.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:42 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:42 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 16:28 | 86.4 | 15.0 | 0.5 | 0.0 | | | | 0.1 |
| 5173 / 1 / C / Storage area without filter | | 16:28 | 86.4 | 14.7 | 1.4 | 0.1 | | | | 3 |
| 5173 / 1 / A / Office area ambient air with filter | 1/9/2014 | 13:35 | 0.0 | 21.2 | 0.0 | 0.0 | 20s - 30s | 1.55 inches | 1026 - 1035 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:56 | 3.3 | 20.7 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:56 | 3.3 | 21.0 | 0.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:33 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:33 | 0.0 | 21.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 81.4 | 10.2 | 0.8 | 0.1 | | | | 3 |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 81.4 | 9.8 | 1.4 | 0.2 | | | | 5 |
| 5173 / 1 / A / Office area ambient air with filter | 1/16/2014 | 12:34 | 0.0 | 21.1 | 0.0 | 0.0 | 20s - 30s | 0.97 inches | 1008 - 1019 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:34 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:13 | 2.1 | 21.0 | 0.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:13 | 2.1 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:36 | 0.0 | 20.9 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:36 | 0.0 | 20.9 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:20 | 96.1 | 14.7 | 1.0 | 0.1 | | | | 3 |
| 5173 / 1 / C / Storage area without filter | | 13:20 | 96.1 | 14.6 | 1.5 | 0.2 | | | | 4 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 1/23/2014 | 12:13 | 0.0 | 21.5 | 0.0 | 0.0 | 5 - 15 | Trace | 1019 - 1038 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:13 | 0.0 | 21.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:20 | 2.6 | 21.2 | 0.8 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:20 | 2.6 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:10 | 0.0 | 21.4 | 0.1 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:10 | 0.0 | 21.4 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:13 | 3.4 | 18.8 | 5.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:13 | 3.4 | 18.7 | 4.7 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:12 | 0.0 | 21.4 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:12 | 0.0 | 21.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 72.8 | 15.8 | 0.5 | 0.1 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 72.8 | 15.7 | 1.2 | 0.2 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/28/2014 | 13:35 | 0.0 | 21.8 | 0.1 | 0.0 | 5 | None | 1030 - 1033 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.8 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:35 | 0.0 | 21.1 | 0.3 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.1 | 21.3 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.1 | 21.4 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:44 | 0.0 | 18.8 | 3.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:44 | 0.0 | 18.8 | 4.2 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:19 | 0.0 | 21.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:19 | 0.0 | 21.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:50 | 60.9 | 15.5 | 0.7 | 0.1 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:50 | 60.9 | 15.0 | 1.2 | 0.2 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/6/2014 | 13:10 | 0.0 | 21.1 | 0.1 | 0.0 | 15 - 25 | 0.3 inches | 1029 - 1032 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 2.3 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 2.3 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:12 | 0.0 | 20.9 | 0.1 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:12 | 0.0 | 20.9 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:14 | 0.0 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:14 | 0.0 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 105.9 | 16.9 | 1.0 | 0.1 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:10 | 105.9 | 16.8 | 1.2 | 0.1 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/13/2014 | 13:48 | 0.0 | 21.2 | 0.0 | 0.0 | 25 - 35 | None | 1003 - 1018 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:30 | 1.8 | 20.9 | 2.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:30 | 1.8 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:25 | 4.1 | 19.2 | 2.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:25 | 4.1 | 19.1 | 3.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 9:43 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:43 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:55 | 117.4 | 15.9 | 0.8 | 0.1 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:55 | 117.4 | 15.8 | 1.2 | 0.1 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/20/2014 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 35 - 40 | None | 1010 - 1014 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:25 | 0.4 | 20.5 | 0.8 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:25 | 0.4 | 20.8 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:44 | 0.0 | 20.7 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:44 | 0.0 | 20.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:45 | 0.0 | 20.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:45 | 0.0 | 20.7 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:32 | 63.4 | 16.5 | 1.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:32 | 63.4 | 16.5 | 1.2 | 0.1 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 2/27/2014 | 12:56 | 0.0 | 21.2 | 0.0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 12:56 | | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | 13:25 | | 0.9 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | 13:25 | | 0.9 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:54 | | 0.0 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:54 | | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:52 | | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:52 | | 0.0 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | 13:32 | | 64.0 | 16.5 | 2.3 | 0.1 | | | |
| 5173 / 1 / C / Storage area without filter | 13:32 | | 64.0 | 16.6 | 1.1 | 0.2 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|-----------|-------|--------------|-----------------------|------------------------|------------------------|--------------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0.0 | ND(1) ¹ | | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1.0 | 3.3 | 0.8 | 18 | | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3.0 | 0.0 | 0 | | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:50 | 0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3.0 | 5.1 | 1.1 | 24 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3.0 | 0.5 | 0.8 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|-----------|--|--------------------|-----------------------|------------------------|------------------------|------------|-----------------------------|---|------------------------------|
| 5173 / 1 | 7/11/2012 | | Access unavailable | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 | 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | -- | 0 | low 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0.0 | 0 | 80 - low 90s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | 39 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 9/13/2012 | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | 38 | high 70s - low 80s | none | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | | |
| 5173 / 1 / C / Storage area without filter | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|----------------|-----------------------------|------------------------------------|------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | low 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | 41 | | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | 52 | | | | |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | | | 60s - 70s | none | |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | mid 60s | light rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | 40 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | 56 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | mid 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | 30 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 70s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | 1 ^R | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | 1 ^R | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | 31 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | 41 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | 34 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | 43 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | 27 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | 33 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | | | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|---|-----|---------------------|
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 0 | 30s - 40s | none | | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | 21 | | | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | 27 | | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 50s | Trace | | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | 9 | | | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | 16 | | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None | | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 | 50s | rainy (~0.3 inches) |
| 5173 / 1 / A / Office area ambient air without filter | 13:26 | | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | 15:29 | | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | 15:29 | | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 14:17 | | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 14:17 | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:34 | | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:34 | | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:07 | | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:07 | | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | 15:39 | | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | | | | |
| 5173 / 1 / C / Storage area without filter | 15:39 | | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny | | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | | | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | 40s | none | | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|------------|-------|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | 10s - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | 15 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | 22 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | 21 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | 19 | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 0 | 20s - 50s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | 13 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | 19 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | 10 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | 13 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 0 | 20s | trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | 0 | | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | 0 | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | | | |
| 5173 / 1 / C / Storage area without filter | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s - 40s | ~1 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | 13 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | 30s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | 8 | 3/14/2013 | None | | | |
| 5173 / 1 / C / Storage area without filter | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | | | |
| 5173 / 1 / A / Office area ambient air without filter | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | | | |
| 5173 / 1 / A / Office area with filter | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | 0 | | | | | |
| 5173 / 1 / A / Office area without filter | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | 0 | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | 0 | | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | 0 | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | | | |
| 5173 / 1 / C / Storage area with filter | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | 8 | | | | | |
| 5173 / 1 / C / Storage area without filter | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | 13 | | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | 20s - 30s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | 11 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | 17 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | 12 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | 16 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | 7 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | 8 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:19 | 1.1 | 15.5 | 3.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:19 | 1.1 | 15.6 | 4.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 1.3 | 6.5 | 9.5 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 1.3 | 10.0 | 6.6 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:31 | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:31 | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | 13 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | 50s - 60s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:09 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 0.3 | 16.1 | 3.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 0.3 | 15.9 | 4.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:52 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:52 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 0.2 | 6.9 | 10.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 0.2 | 6.9 | 10.8 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:00 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:00 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:04 | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:04 | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | | | |
|--|--|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|---|-----------|-----------|
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 40s - 70s | None | | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | 10 | | | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | 17 | | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 50s - 70s | None | | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | 12 | | | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | 18 | | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 40s - 80s | ~1 inch | | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | 15 | | | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | 22 | | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | | | | 0 | 40s - 80s | ~0.2 inch |
| 5173 / 1 / A / Office area ambient air without filter | 14:06 | | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | 15:37 | | 0.0 | 18.8 | 1.8 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | 15:37 | | 0.0 | 18.7 | 2.5 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:50 | | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:50 | | 0.0 | 19.3 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:41 | | 0.9 | 6.7 | 12.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:41 | | 0.9 | 6.8 | 12.6 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | 15:44 | | 79.5 | 3.1 | 7.0 | 0.6 | 13 | | | | | | |
| 5173 / 1 / C / Storage area without filter | 15:44 | | 79.5 | 3.1 | 6.6 | 1.0 | 20 | | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 50s - 80s | ~1.3 inch | | | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | 17 | | | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | 25 | | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | 0.0 | | | | 0 | 60s | 0.25 inch |
| 5173 / 1 / A / Office area ambient air without filter | 13:51 | | 0.1 | 20.9 | 0.1 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area with filter | 15:28 | | 1.8 | 19.2 | 2.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / A / Office area without filter | 15:28 | | 1.8 | 19.0 | 2.2 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:56 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:55 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | | | |
| 5173 / 1 / C / Storage area with filter | 15:35 | | 126.8 | 4.3 | 6.5 | 0.8 | 16 | | | | | | |
| 5173 / 1 / C / Storage area without filter | 15:35 | | 126.8 | 4.4 | 6.8 | 1.1 | 23 | | | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|---|
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 80s | 1.55 inches | | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 | 20 | | | | |
| 5173 / 1 / C / Storage area without filter | | -- | 86.4 | 1.9 | 7.6 | 1.4 | 25 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 | 21 | | | | |
| 5173 / 1 / C / Storage area without filter | | -- | 235.1 | 2.4 | 7.4 | 1.8 | 37 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 70s - 80s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 | 26 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 | 32 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/3/2013 | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 80s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.0 | 19.0 | 1.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.0 | 19.0 | 1.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:47 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:47 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:05 | 5.0 | 7.7 | 10.9 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:05 | 5.0 | 7.7 | 11.7 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:25 | 217 | 3.3 | 6.5 | 1.2 | 25 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:25 | 217 | 3.0 | 7.4 | 1.6 | 32 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/11/2013 | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:20 | 2.4 | 19.3 | 1.7 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:20 | 2.4 | 19.2 | 1.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:25 | 102.6 | 1.7 | 7.8 | 1.2 | 24 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:25 | 102.6 | 1.9 | 8.0 | 1.8 | 35 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 7/18/2013 | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:34 | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:16 | | 1.9 | 19.7 | 1.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:16 | | 1.9 | 19.8 | 1.3 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:30 | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:09 | | 5.0 | 8.0 | 11.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:09 | | 5.0 | 7.7 | 11.9 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:32 | | 0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:45 | | 126.3 | 2.0 | 8.0 | 1.3 | 25 | | | | |
| 5173 / 1 / C / Storage area without filter | 15:45 | | 126.3 | 2.9 | 8.0 | 1.9 | 37 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 7/25/2013 | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:46 | 2.4 | 19.6 | 1.6 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:46 | 2.4 | 19.6 | 1.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:16 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:16 | 0 | 21.0 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:51 | 113.6 | 2.7 | 7.4 | 1.5 | 29 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:51 | 113.6 | 2.8 | 7.7 | 1.9 | 38 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/1/2013 | 13:34 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 1.0 | 18.9 | 2.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 1.0 | 19.0 | 1.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:35 | 0.9 | 7.4 | 11.3 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:35 | 0.9 | 7.5 | 11.5 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:46 | 173.9 | 2.1 | 6.7 | 1.5 | 29 | | | | |
| 5173 / 1 / C / Storage area without filter | 14:46 | 173.9 | 2.5 | 7.4 | 2.1 | 41 | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/6/2013 | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.5 | 18.7 | 2.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.5 | 18.6 | 1.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:04 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:04 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 151.3 | 2.6 | 7.0 | 1.5 | 30 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 151.3 | 3.0 | 7.0 | 2.2 | 44 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/15/2013 | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 40s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:51 | 0.3 | 19.3 | 2.2 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:51 | 0.3 | 19.2 | 1.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:45 | 1.8 | 6.4 | 11.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:45 | 1.8 | 6.6 | 11.7 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:54 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:54 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:57 | 85.8 | 2.3 | 6.6 | 1.5 | 30 | | | | |
| 5173 / 1 / C / Storage area without filter | 13:57 | 85.8 | 2.8 | 6.7 | 2.0 | 40 | | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/22/2013 | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 91.2 | 1.6 | 7.0 | 1.4 | 28 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 91.2 | 1.8 | 7.0 | 2.2 | 45 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/27/2013 | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 70s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 1.9 | 19.2 | 1.6 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 1.9 | 19.1 | 1.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:25 | 0.0 | 20.5 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:25 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.1 | 20.4 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 91.4 | 3.1 | 6.4 | 1.5 | 29 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 91.4 | 2.0 | 7.0 | 2.6 | 51 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature ("F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 9/5/2013 | 15:09 | - | 21.0 | 0.0 | 0.0 | 0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:09 | - | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 1.0 | 19.2 | 1.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 1.0 | 19.1 | 1.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | - | 20.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | - | 20.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:40 | 1.5 | 6.4 | 11.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:40 | 1.5 | 6.6 | 11.6 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:16 | - | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:16 | 0 | 2.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 85 | 2.3 | 6.9 | 1.6 | 33 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 85 | 2.3 | 6.8 | 2.2 | 45 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/12/2013 | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 60s-80s | 0.29 inches | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 17:35 | 0.3 | 20.0 | 0.7 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 17:35 | 0.3 | 19.9 | 1.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 17:40 | 0.0 | 6.8 | 11.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 17:40 | 0.0 | 6.8 | 11.7 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 17:43 | 83.4 | 2.4 | 7.0 | 1.7 | 33 | | | | |
| 5173 / 1 / C / Storage area without filter | | 17:43 | 83.4 | 2.4 | 6.9 | 2.3 | 46 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2013 | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 0.4 | 18.7 | 1.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 0.4 | 18.6 | 1.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:24 | 1.2 | 6.5 | 10.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:24 | 1.2 | 6.5 | 10.9 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:29 | 88.9 | 2.0 | 6.3 | 1.4 | 28 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:29 | 88.9 | 2.1 | 6.1 | 1.9 | 38 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/24/2013 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 40s - 70s | None | 1016 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:44 | 0.3 | 18.1 | 1.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:44 | 0.3 | 18.0 | 1.5 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:38 | 1.2 | 6.7 | 10.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:38 | 1.2 | 6.7 | 10.6 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.8 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 113.7 | 2.0 | 5.7 | 1.6 | 31 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 113.7 | 2.0 | 5.9 | 2.1 | 41 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/3/2013 | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:39 | 0.0 | 17.9 | 2.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:39 | 0.0 | 17.9 | 1.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 121.1 | 1.7 | 5.2 | 1.5 | 28 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 121.1 | 1.8 | 5.9 | 2.0 | 40 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/10/2013 | 13:26 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 40s - 70s | None | 1020 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:56 | 0.6 | 16.2 | 1.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:56 | 0.6 | 16.2 | 1.8 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:01 | 1.3 | 6.0 | 9.7 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:01 | 1.3 | 5.8 | 10.4 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:12 | 91.55 | 2.4 | 5.6 | 1.4 | 28 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:12 | 91.55 | 1.8 | 5.2 | 1.9 | 39 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 10/17/2013 | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | 40s - 50s | 0.1 inches | 1011 - 1014 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.5 | 16.4 | 2.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.5 | 16.3 | 2.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0 | 20.8 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:58 | 138.6 | 2.4 | 4.9 | 1.4 | 28 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:58 | 138.6 | 2.2 | 5.2 | 1.9 | 38 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/24/2013 | 12:26 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:26 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:50 | 3.6 | 16.2 | 1.3 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:50 | 3.6 | 16.0 | 2.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0 | 21.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:54 | 223 | 4.3 | 2.5 | 1.0 | 20 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:54 | 223 | 4.9 | 4.2 | 1.3 | 25 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/31/2013 | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 60s | 1.25 inches | 1000 - 1010 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 1.5 | 16.6 | 3.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 1.5 | 16.8 | 2.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:13 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:13 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:21 | 1.9 | 10.3 | 6.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:21 | 1.9 | 10.3 | 7.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:26 | 0.3 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:26 | 0.3 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:26 | 103.3 | 7.4 | 3.7 | 0.7 | 14 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:26 | 103.3 | 7.4 | 3.2 | 1.0 | 19 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/7/2013 | 12:48 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 40s | Trace (0.04 inches) | 1020 - 1025 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 1.5 | 15.3 | 3.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 1.5 | 15.2 | 3.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:09 | 112.3 | 3.0 | 3.7 | 1.0 | 20 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:09 | 112.3 | 3.0 | 4.2 | 1.3 | 26 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/12/2013 | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:45 | 1.2 | 15.3 | 3.3 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:45 | 1.2 | 15.2 | 3.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:52 | 105.9 | 3.1 | 3.4 | 1.0 | 20 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:52 | 105.9 | 2.9 | 3.9 | 1.3 | 26 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2013 | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 20s - 40s | None | 1023 - 1026 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 15.5 | 3.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 15.2 | 3.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:47 | 0.0 | 6.7 | 8.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:47 | 0.0 | 6.4 | 9.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:35 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 133.9 | 3.2 | 4.3 | 0.9 | 18 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 133.9 | 2.8 | 3.7 | 1.3 | 28 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/26/2013 | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 30s | Trace (0.01 inches) | 1013 - 1019 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 14.6 | 4.7 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 14.8 | 3.8 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.0 | 6.5 | 8.8 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.0 | 6.6 | 9.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:56 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:56 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:57 | 90.7 | 2.3 | 4.2 | 1.0 | 19 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:57 | 90.7 | 2.2 | 3.5 | 1.3 | 26 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 12/5/2013 | 13:33 | 0.1 | 21.8 | 0.0 | 0.0 | 0 | 30s - 40s | 0.07 inches | 1013 - 1016 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.1 | 21.7 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:07 | 1.2 | 14.8 | 3.6 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:07 | 1.2 | 14.8 | 4.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:14 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:14 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 1.9 | 6.6 | 8.9 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 1.9 | 6.6 | 9.4 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.3 | 21.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.3 | 21.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:11 | 189.7 | 2.8 | 3.5 | 0.9 | 18 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:11 | 189.7 | 2.7 | 3.5 | 1.3 | 26 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/12/2013 | 13:59 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 15 - 20 | None | 1030 - 1036 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:59 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:52 | 0.6 | 18.8 | 2.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:52 | 0.6 | 19.2 | 1.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:18 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 1.6 | 6.8 | 8.3 | 0.0 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 1.6 | 6.5 | 9.3 | 0.0 | 0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:33 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:33 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:57 | 96.2 | 8.8 | 2.9 | 0.3 | 6 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:57 | 96.2 | 8.7 | 2.7 | 0.5 | 9 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/19/2013 | 14:36 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 30s - 40s | None | 1016 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:36 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:00 | 0.6 | 20.8 | 0.5 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:00 | 0.6 | 20.7 | 0.6 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:05 | 0.0 | 9.0 | 7.8 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:05 | 0.0 | 9.1 | 8.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:08 | 116.3 | 11.8 | 1.3 | 0.1 | 1 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:08 | 116.3 | 11.7 | 1.8 | 0.2 | 3 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/23/2013 | 12:46 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 20s - 30s | Trace (0.02 inches) | 1026 - 1029 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:46 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:04 | 0.0 | 16.4 | 4.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:04 | 0.0 | 16.5 | 2.7 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:41 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:41 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:10 | 0.4 | 11.0 | 7.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:10 | 0.4 | 10.6 | 8.3 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:15 | 126.8 | 13.2 | 2.9 | 0.2 | 3 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:15 | 126.8 | 13.4 | 1.8 | 0.2 | 4 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/2/2014 | 15:48 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 20 - 30 | 5.46 inches | 1012 - 1026 | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:48 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 16:25 | 0.8 | 21.2 | 0.2 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 16:25 | 0.8 | 21.1 | 0.4 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:42 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:42 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 16:28 | 86.4 | 15.0 | 0.5 | 0.0 | 0.1 | | | | |
| 5173 / 1 / C / Storage area without filter | | 16:28 | 86.4 | 14.7 | 1.4 | 0.1 | 3 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/9/2014 | 13:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 20s - 30s | 1.55 inches | 1026 - 1035 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:56 | 3.3 | 20.7 | 1.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:56 | 3.3 | 21.0 | 0.2 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:33 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:33 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 81.4 | 10.2 | 0.8 | 0.1 | 3 | | | | |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 81.4 | 9.8 | 1.4 | 0.2 | 5 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/16/2014 | 12:34 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 20s - 30s | 0.97 inches | 1008 - 1019 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:34 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:13 | 2.1 | 21.0 | 0.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:13 | 2.1 | 20.9 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:36 | 0.0 | 20.9 | 0 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:36 | 0.0 | 20.9 | 0 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:20 | 96.1 | 14.7 | 1.0 | 0.1 | 3 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:20 | 96.1 | 14.6 | 1.5 | 0.2 | 4 | | | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 15 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORAIN, OHIO

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|--------------|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|--|
| 5173 / 1 / A / Office area ambient air with filter | 1/23/2014 | 12:13 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 5 - 15 | Trace | 1019 - 1038 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:13 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:20 | 2.6 | 21.2 | 0.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:20 | 2.6 | 21.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:10 | 0.0 | 21.4 | 0.1 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:10 | 0.0 | 21.4 | 0 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:13 | 3.4 | 18.8 | 5.3 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:13 | 3.4 | 18.7 | 4.7 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:12 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:12 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 72.8 | 15.8 | 0.5 | 0.1 | 2 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 72.8 | 15.7 | 1.2 | 0.2 | 4 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/28/2014 | 13:35 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | 5 | None | 1030 - 1033 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:35 | 0.0 | 21.1 | 0.3 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.1 | 21.3 | 0 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.1 | 21.4 | 0 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:44 | 0.0 | 18.8 | 3.5 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:44 | 0.0 | 18.8 | 4.2 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:19 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:50 | 60.9 | 15.5 | 0.7 | 0.1 | 1 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:50 | 60.9 | 15.0 | 1.2 | 0.2 | 3 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/6/2014 | 13:10 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 15 - 25 | 0.3 inches | 1029 - 1032 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 2.3 | 21.2 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 2.3 | 21.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:12 | 0.0 | 20.9 | 0.1 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:12 | 0.0 | 20.9 | 0 | 0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:14 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:14 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 105.9 | 16.9 | 1.0 | 0.1 | 2 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:10 | 105.9 | 16.8 | 1.2 | 0.1 | 2 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/13/2014 | 13:48 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 25 - 35 | None | 1003 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:30 | 1.8 | 20.9 | 2.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:30 | 1.8 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:25 | 4.1 | 19.2 | 2.5 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:25 | 4.1 | 19.1 | 3.1 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 9:43 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:43 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 9:55 | 117.4 | 15.9 | 0.8 | 0.1 | 1 | | | | |
| 5173 / 1 / C / Storage area without filter | | 9:55 | 117.4 | 15.8 | 1.2 | 0.1 | 1 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/20/2014 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 35 - 40 | None | 1010 - 1014 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:25 | 0.4 | 20.5 | 0.8 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:25 | 0.4 | 20.8 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:44 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:44 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:45 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:45 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:32 | 63.4 | 16.5 | 1.0 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:32 | 63.4 | 16.5 | 1.2 | 0.1 | 2 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/27/2014 | 12:56 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 15 - 25 | Trace | 1008 - 1024 | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:56 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:25 | 0.9 | 21.1 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:25 | 0.9 | 21.1 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:54 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:54 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:52 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:52 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:32 | 64.0 | 16.5 | 2.3 | 0.1 | 1 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:32 | 64.0 | 16.6 | 1.1 | 0.2 | 3 | | | | |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP22-13 (20') without filter | 7/11/2013 | 14:55 | 0.1 | 8.4 | 3.4 | 0.0 | 0 | 60s - 70s | None |
| GP22-13 (20') with filter | | 14:55 | 0.1 | 8.4 | 3.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 15:01 | 0.9 | 15.6 | 3.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:01 | 0.9 | 15.0 | 2.1 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 10.1 | 7.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 8.6 | 7.5 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | 7/18/2013 | 15:10 | 0.3 | 11.5 | 6.1 | 0.0 | 0 | 70s - 90s | None |
| GP24B-13 (4.5') with filter | | 15:10 | 0.3 | 11.4 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 15:31 | 0.0 | 16.2 | 3.0 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 15:31 | 0.0 | 16.1 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 15:31 | 0.0 | 13.0 | 5.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 15:31 | 0.0 | 13.4 | 4.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 15:25 | 0.1 | 0.9 | 10.2 | 0.5 | 12 | | |
| GP12-09 (6') with filter | | 15:25 | 0.1 | 1.2 | 11.3 | 0.6 | 12 | | |
| GP22-13 (20') without filter | | 14:45 | 0.3 | 14.5 | 1.0 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:45 | 0.3 | 14.6 | 1.3 | 0.1 | 1 | | |
| GP23-13 (18.5') without filter | | 14:51 | 0.0 | 12.2 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:51 | 0.0 | 12.4 | 6.0 | 0.1 | 1 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.4 | 4.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.2 | 4.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | 7/25/2013 | 15:02 | 0.0 | 14.1 | 4.9 | 0.0 | 0 | 50s - 70s | None |
| GP24B-13 (4.5') with filter | | 15:02 | 0.0 | 16.8 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:24 | 0.0 | 16.8 | 3.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:24 | 0.0 | 16.7 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:24 | 0.0 | 13.2 | 5.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:24 | 0.0 | 13.2 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:24 | 0.0 | 10.4 | 6.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:24 | 0.0 | 10.4 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:37 | 0.6 | 18.0 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:37 | 0.6 | 18.0 | 4.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | 8/1/2013 | 14:42 | 0.0 | 14.1 | 4.8 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') without filter | | 14:42 | 0.0 | 14.2 | 4.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:11 | 0.0 | 12.4 | 5.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:11 | 0.0 | 12.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:17 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:17 | 0.0 | 16.4 | 3.0 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:17 | 0.0 | 13.2 | 4.7 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:17 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:17 | 0.0 | 11.4 | 6.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:17 | 0.0 | 11.1 | 6.1 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:30 | 0.1 | 7.8 | 7.3 | 0.3 | 6 | | |
| GP12-09 (6') with filter | | 14:30 | 0.1 | 8.3 | 7.8 | 0.2 | 4 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP23-13 (18.5') without filter | 8/6/2013 | 13:56 | 0.1 | 12.6 | 5.4 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 13:56 | 0.1 | 10.4 | 5.8 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:40 | 0.0 | 16.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:40 | 0.0 | 16.1 | 4.5 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:40 | 0.0 | 13.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:40 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:40 | 0.0 | 10.5 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:40 | 0.0 | 10.6 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 8/15/2013 | 14:01 | 0.3 | 8.7 | 6.4 | 0.0 | 0 | 40s - 70s | None |
| GP12-09 (6') with filter | | 14:01 | 0.3 | 8.9 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:05 | 0.0 | 20.2 | 1.3 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:05 | 0.0 | 19.8 | 1.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:11 | 0.0 | 11.1 | 6.7 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:11 | 0.0 | 9.4 | 6.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:17 | 0.0 | 12.8 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:17 | 0.0 | 14.5 | 4.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | 8/22/2013 | 13:17 | 0.0 | 13.0 | 4.9 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) |
| GP-7 (12') with filter | | 13:17 | 0.0 | 13.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:17 | 0.0 | 9.3 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:17 | 0.0 | 9.1 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:21 | 0.0 | 0.9 | 12.0 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:21 | 0.0 | 0.9 | 11.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:15 | 0.0 | 10.4 | 6.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:15 | 0.0 | 10.6 | 6.1 | 0.0 | 0 | | |
| GP-7 (8') without filter | 8/27/2013 | 14:26 | 0.0 | 10.4 | 7.0 | 0.0 | 0 | 70s - 80s | None |
| GP-7 (8') with filter | | 14:26 | 0.0 | 10.2 | 6.4 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:26 | 0.0 | 9.5 | 7.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:26 | 0.0 | 9.2 | 7.2 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:26 | 0.0 | 8.2 | 7.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:26 | 0.0 | 8.4 | 7.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:55 | 0.3 | 1.6 | 11.9 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:55 | 0.3 | 1.5 | 11.2 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/27/2013 | 14:01 | 0.1 | 10.5 | 7.5 | 0.0 | 0 | 70s - 80s | None |
| GP23-13 (18.5') with filter | | 14:01 | 0.1 | 8.6 | 8.2 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:05 | 0.0 | 11.1 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:05 | 0.0 | 10.4 | 7.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:05 | 0.1 | 9.8 | 7.6 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:05 | 0.1 | 9.2 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:05 | 0.1 | 8.9 | 7.8 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:05 | 0.1 | 8.9 | 7.5 | 0.0 | 0 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP12-09 (6') without filter | 9/5/2013 | - | 0.0 | 17.9 | 3.1 | 0.1 | 1 | 50s - 80s | None |
| GP12-09 (6') with filter | | - | 0.0 | 17.5 | 3.7 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | - | 0.3 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | - | 0.3 | 11.7 | 5.5 | 0.0 | 0 | | |
| GP-7 (8') without filter | | - | 0.0 | 11.0 | 7.2 | 0.0 | 0 | | |
| GP-7 (8') with filter | | - | 0.0 | 11.3 | 5.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | - | 0.0 | 10.3 | 7.5 | 0.0 | 0 | | |
| GP-7 (12') with filter | | - | 0.0 | 10.6 | 6.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | - | 0.0 | 8.4 | 8.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | - | 0.0 | 8.4 | 7.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 9/12/2013 | 17:45 | 0.0 | 10.4 | 8.1 | 0.1 | 2 | 60-80s | 0.29 inches |
| GP23-13 (18.5') with filter | | 17:45 | 0.0 | 10.7 | 6.4 | 0.1 | 2 | | |
| GP-7 (8') without filter | | -- | 0.0 | 10.9 | 7.6 | 0.0 | 0 | | |
| GP-7 (8') with filter | | -- | 0.0 | 10.8 | 7.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | -- | 0.1 | 8.3 | 9.3 | 0.0 | 0 | | |
| GP-7 (12') with filter | | -- | 0.1 | 8.2 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') without filter | | -- | -- | 7.8 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') with filter | | -- | -- | 7.9 | 8.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | 10/17/2013 | 14:18 | 0.0 | 11.5 | 7.1 | 0.0 | 0 | 40s - 50s | 0.1 inches |
| GP-7 (8') with filter | | 14:18 | 0.0 | 13.5 | 5.1 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:23 | 0.0 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:23 | 0.0 | 9.3 | 8.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:27 | 0.0 | 7.9 | 10.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:27 | 0.0 | 8.4 | 9.3 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:14 | 0.0 | 17.4 | 2.4 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:14 | 0.0 | 17.6 | 1.5 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:31 | 0.0 | 0.5 | 9.7 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:31 | 0.0 | 1.0 | 8.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:35 | 0.0 | 8.7 | 10.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:35 | 0.0 | 8.2 | 10.0 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 8.1 | 10.4 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 10.8 | 7.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:42 | 0.0 | 11.4 | 7.2 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:42 | 11.8 | 5.9 | 0.0 | 0.0 | 0 | | |
| GP-7 (8') without filter | 11/12/2013 | 13:00 | 0.0 | 14.4 | 5.5 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) |
| GP-7 (8') with filter | | 13:00 | 0.0 | 15.5 | 4.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:06 | 0.0 | 13.7 | 6.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:06 | 0.0 | 13.8 | 5.5 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:13 | 0.0 | 10.6 | 8.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:13 | 0.0 | 11.7 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:19 | 0.0 | 16.1 | 2.7 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:19 | 0.0 | 16.8 | 1.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:25 | 0.0 | 10.3 | 8.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:25 | 0.0 | 10.1 | 7.6 | 0.0 | 0 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP-7 | 12/19/2013 | Buried Under Snow & Ice | | | | | | 30s - 40s | None |
| GP12-09 (6') without filter | | 14:54 | 0.0 | 19.9 | 0.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:54 | 0.0 | 19.0 | 0.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:57 | 0.0 | 12.1 | 8.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:57 | 0.0 | 12.4 | 7.0 | 0.0 | 0 | | |
| GP-7 (8') without filter | 1/9/2014 | 14:25 | 0.0 | 18.5 | 2.7 | 0.0 | 0 | 20s - 30s | 1.55 inches |
| GP-7 (8') with filter | | 14:25 | 0.0 | 19.0 | 1.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:30 | 0.0 | 18.2 | 2.8 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:30 | 0.0 | 18.4 | 1.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:36 | 0.0 | 16.2 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:36 | 0.0 | 16.7 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:20 | 0.0 | 12.9 | 3.6 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:20 | 0.0 | 12.6 | 2.9 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:00 | 0.0 | 8.5 | 6.3 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:00 | 0.0 | 15.8 | 2.5 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:05 | 0.0 | 14.2 | 6.1 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:05 | 0.0 | 16.8 | 3.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:11 | 0.0 | 14.3 | 5.4 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 14:11 | 0.0 | 17.7 | 2.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:16 | 0.1 | 16.5 | 3.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:16 | 0.1 | 15.5 | 2.7 | 0.0 | 0 | | |

Notes

PID - Photoionization Detector
 O₂ - Oxygen
 CO₂ - Carbon Dioxide
 CH₄ - Methane
 LEL - Lower Explosive Limit
 NM - Not measured
 U - Qualified as non-detect due to issues with the filter
 Value - Value is greater than LEL for methane (5 percent methane)



**CONESTOGA-ROVERS
& ASSOCIATES**

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April 10, 2014

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: March 1 through 31, 2014
South Dayton Dump and Landfill Site, Moraine, Ohio (Site)

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of March 1 through 31, 2014.

The next Progress Report for the month of April 2014 will be submitted on or before May 10, 2014.



Significant Developments in this Reporting Period

RI/FS ASAOC Developments

On March 6, 2014, USEPA provided CRA with questions regarding the content of the OU2 RI/FS Work Plan. CRA responses to the questions were provided verbally during the conference call held on March 13, 2014.

On March 7, 2014, CRA provided USEPA with chemical groundwater contour maps for trichloroethene (TCE), vinyl chloride, benzene, and cis-1, 2-dichloroethene. CRA also provided a revised RI/FS Project Schedule, with the addition of a Risk Assessment Framework deliverable.

On March 12, 2014, USEPA and Ohio EPA requested the Phase 1A Groundwater and Data Gap Investigation raw laboratory data. CRA provided USEPA and Ohio EPA with the corresponding TestAmerica analytical reports on March 13, 2014.

On March 13, 2014, USEPA, Ohio EPA and the Respondents participated in a conference call. The following topics were discussed: the ownership and disposal history of the Southern Site Parcels and potential for waiver or variances to apply to solid waste closure requirement; potential investigations of deep groundwater contamination; and suitability of proposed background comparisons to on-Site samples.

On March 24, 2014, USEPA forwarded Ohio EPA information regarding solid waste closure requirements to the Respondents.

Removal Action ASAOC Developments

As of March 6, 2014, the status of each building requiring mitigation was as follows:

Building 8 (B&G Trucking)

- 30-day proficiency sampling completed on September 12, 2013.
- Additional confirmatory sampling completed on January 9, 2014 and March 10, 2014.



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Building 9 (B&G Trucking)

- 30-day proficiency sampling completed on October 24, 2013.
- 180-day proficiency sampling completed on March 10, 2014.

Building 12 (Overstreet Painting and S&J Precision)

- 30-day proficiency sampling completed on October 24, 2013.
- Corrective action implemented by March 6, 2014.
- Next step: Additional confirmatory sampling (April 2 and 3, 2014).

Building 14 (Bullseye Amusements)

- 30-day proficiency sampling completed on January 16, 2014.
- USEPA forwarded the Respondents' February 20, 2014 memorandum summarizing benzene presence in Building 14 to the Health Department for review and feedback.

Building 15 (SIM Trainer)

- 30-day proficiency sampling completed on February 13, 2014.
- Next Step: Implementation of corrective action by April 6, 2014 and additional confirmatory sampling by May 6, 2014.

Building 17 (Megacity Construction)

- 30-day proficiency sampling completed on January 16, 2014.
- Next Step: 180-day proficiency sampling (June 2014).

Building 24 (Globe Equipment)

- 30-day proficiency sampling completed on September 11, 2013.
- 180-day proficiency sampling completed on February 7, 2014.
- Next Step: 1-year proficiency sampling (August 2014).



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On March 6, USEPA, Ohio EPA, USEPA START contractor CSS-Dynamac, and the Respondents participated in a conference call regarding the status of vapor intrusion (VI) mitigation.

During the March 6 conference call, the participants discussed the following topics:

- Update on sub-slab depressurization system (SSDS) vacuum readings and mitigation status updates on Building 8 (B&G Trucking), Building 9 (B&G Trucking), Building 12 (Overstreet Painting and S&J Precision), Building 14 (Bullseye Amusements), Building 15 (SIM Trainer), Building 17 (Megacity Construction), and Building 24 (Globe Equipment).
- Weekly methane field screening values from SIM Trainer Building 15, and GP-2. USEPA and Respondents agree to reduce methane field screening from a weekly to monthly basis.
- USEPA requested Respondents submit a plan that would detail proposed activities to measure explosive limits in utility corridors during seasonal periods of elevated methane levels.
- Implementation of contingency measures on the SSDS extraction points in Building 12 (Overstreet Painting and S&J Precision) in order to reduce vacuum and lower TCE concentrations.
- USEPA has forwarded the Respondents' memorandum summarizing benzene presence in Building 14 (Bullseye Amusements) to the Health Department for review and is awaiting Health Department feedback.
- USEPA accepted Respondents proposal for Building 15 (SIM Trainer) corrective action. USEPA and Respondents agreed to conduct confirmatory sampling thirty days after implementation of the corrective action.
- Indoor air and sub-slab concentrations at Building 17 (Megacity Construction) and Building 24 (Globe Equipment) were below ODH screening levels. USEPA and Respondents agree that next steps will be 180-day proficiency sampling at Building 17 in June 2014 and 1-year proficiency sampling at Building 24 in August 2014.

On March 6, 2014, CRA provided USEPA, Ohio EPA, Respondents, Public Health – Dayton & Montgomery County, and USEPA SMART contractor CSS-Dynamac with proposed corrective measures for Building 15 (SIM Trainer). USEPA provided approval of the Building 15 corrective action plan on the same date.



On March 6, 2014, CRA informed USEPA and USEPA SMART contractor CSS-Dynamac that Building 14 (Bullseye Amusements) floor-cracks had been sealed and that there was regular truck traffic within Building 14, in response to USEPA SMART contractor questions raised during the conference call held on February 27, 2014.

Summaries of all Anticipated Problems and Planned Resolutions

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As previously discussed with USEPA, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation has had, and will have, on their business. The Respondents will continue to work with USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

Projected Work for the Next Reporting Period

- The Respondents and USEPA will continue to work together to address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.
- CRA will implement the corrective action agreed upon by the Respondents and USEPA for Building 15 (SIM Trainer) and conduct confirmatory sampling within thirty days of implementation.
- The Respondents will submit the following to USEPA:
 - Revised OU2 RI/FS Work Plan
 - QAPP update and revision
 - A letter summary detailing the ownership and landfill history of the Southern Site Parcels
 - A plan detailing proposed activities to measure explosive limits in utility corridors during seasonal periods of elevated methane levels



**CONESTOGA-ROVERS
& ASSOCIATES**

April 10, 2014

Reference No. 038443-12

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Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley

VC/cb/16

Encl.

CC: (all by pdf)

Wendell Barner, Barner Consulting
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
John Sherrard, CSS-Dynamac Corporation

Madelyn Smith, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Wray Blattner, Thompson Hine
Adam Loney, CRA

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|-----------|-------------|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0.0 | ND(1) ¹ | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1.0 | 3.3 | 0.8 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21.0 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3.0 | 0.0 | 0 | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0.0 | 0 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3.0 | 5.1 | 1.1 | 24 | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3.0 | 0.5 | 0.8 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21.0 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|--|------------------------------|
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | 0 | low 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0 | 80 - low 90s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 39 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | | 0.0 | 20.9 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 60.2 | 0.8 | 5.1 | 2.3 45 | | | |
| 5173 / 1 / C / Storage area without filter | | | 60.2 | 1.0 | 6.0 | 2.7 55 | | | |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|------------|--|-------------------------|------------------------|------------------------|--------------------|-----------------------------|------------------------------------|------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 41 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 52 | | | |
| 5173 / 1 / SIM Trainer | 9/27/2012 | Inaccessible | | | | | 60s - 70s | none | |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | mid 60s | light rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 40 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 56 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | mid 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 38 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 1 ^R | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 1 ^R | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 31 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 41 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 30s - 40s | snow & rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 34 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 43 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 27 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 33 | | | |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | | | | 21 |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | | | | 27 |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 50s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | | | | 9 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 40s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | | | | 22 |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | | | | 30 |
| 5173 / 1 / A / Office area ambient air with filter | | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:26 | | 0.0 | 21.2 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:29 | | 0.1 | 13.6 | 4.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:29 | | 0.1 | 13.7 | 4.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 14:17 | | 0.0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 14:17 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:34 | | 0.2 | 9.1 | 7.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:34 | | 0.2 | 9.1 | 7.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:07 | | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:07 | | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:39 | | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | 15:39 | | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 40s | sunny | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | | | | 1 U |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | | | | 2 U |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | | | | 1 U |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | | | | 1 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | | | | 2 U |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | | | | 25 |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | | | | 19 |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | | | | 26 |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location: Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID Time</i> | <i>O₂ (ppm)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> |
|--|--------------|---------------------|--------------------------------|-------------------------------|-------------------------------|--------------------|-------------------------------------|--|--------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 30s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 10s - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | | | |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 10 - 20s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 20s - 50s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | | | | 19 |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 30s - 40s | none | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 20s | trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 0.9 | 16.0 | 3.4 | 0.0 | 0 | | | | |
| 5173 / 1 / A / Office area without filter | | 0.9 | 16.0 | 4.0 | 0.0 | 0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | | |
| 5173 / 1 / C / Storage area without filter | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 30s - 40s | ~1 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 30s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | | | | 8 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | | | | 15 |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 20s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | | | | 8 |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | | | | 13 |
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 20s - 30s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | | | | 11 |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 40s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 30s - 50s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | | | | 7 |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | | | | 8 |
| 5173 / 1 / A / Office area ambient air with filter | | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:23 | | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 14:19 | | 1.1 | 15.5 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 14:19 | | 1.1 | 15.6 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:30 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | 14:26 | | 1.3 | 6.5 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | 14:26 | | 1.3 | 10.0 | 6.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:31 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 14:31 | | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | 14:31 | | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | | | | 13 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | | | | 18 |

TABLE 1

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | 0.0 | 50s - 60s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:09 | 0.0 | 21.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 0.3 | 16.1 | 3.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 0.3 | 15.9 | 4.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:52 | 0.0 | 20.6 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:52 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 0.2 | 6.9 | 10.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 0.2 | 6.9 | 10.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:00 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:00 | 0.0 | 21.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:04 | 77.6 | 3.5 | 4.1 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 15:04 | 77.6 | 3.5 | 4.6 | 0.8 | | | | 16 |
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 40s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | | | | 10 |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | | | | 17 |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | | | | 12 |
| 5173 / 1 / C / Storage area without filter | | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | | | | 18 |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | | | | 15 |
| 5173 / 1 / C / Storage area without filter | | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | | | | 22 |
| 5173 / 1 / A / Office area ambient air with filter | | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 14:06 | | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:37 | | 0.0 | 18.8 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:37 | | 0.0 | 18.7 | 2.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:50 | | 0.0 | 19.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:50 | | 0.0 | 19.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:41 | | 0.9 | 6.7 | 12.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:41 | | 0.9 | 6.8 | 12.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:58 | | 0.0 | 20.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:44 | | 79.5 | 3.1 | 7.0 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | 15:44 | | 79.5 | 3.1 | 6.6 | 1.0 | 20 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | | | | 17 |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | | | | 25 |

TABLE 1

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|----|
| 5173 / 1 / A / Office area ambient air with filter | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | 0.0 | 60s | 0.25 inch | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:51 | 0.1 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:28 | 1.8 | 19.2 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:28 | 1.8 | 19.0 | 2.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:56 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:56 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:55 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:55 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:35 | 126.8 | 4.3 | 6.5 | 0.8 | | | | 16 |
| 5173 / 1 / C / Storage area without filter | | 15:35 | 126.8 | 4.4 | 6.8 | 1.1 | | | | 23 |
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 60s - 80s | 1.55 inches | | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 | | | | 20 |
| 5173 / 1 / C / Storage area without filter | -- | 86.4 | 1.9 | 7.6 | 1.4 | 25 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 50s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 | | | | 21 |
| 5173 / 1 / C / Storage area without filter | -- | 235.1 | 2.4 | 7.4 | 1.8 | 37 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 70s - 80s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 | | | | 26 |
| 5173 / 1 / C / Storage area without filter | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 | 32 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/3/2013 | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 80s | Trace | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.0 | 19.0 | 1.8 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.0 | 19.0 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:47 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:47 | 0.0 | 20.7 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:05 | 5.0 | 7.7 | 10.9 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:05 | 5.0 | 7.7 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:25 | 217 | 3.3 | 6.5 | 1.2 | | | | 25 |
| 5173 / 1 / C / Storage area without filter | 13:25 | 217 | 3.0 | 7.4 | 1.6 | 32 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/11/2013 | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:20 | 2.4 | 19.3 | 1.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:20 | 2.4 | 19.2 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:25 | 102.6 | 1.7 | 7.8 | 1.2 | | | | 24 |
| 5173 / 1 / C / Storage area without filter | | 15:25 | 102.6 | 1.9 | 8.0 | 1.8 | | | | 35 |

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 7/18/2013 | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | 70s - 90s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 15:16 | 1.9 | 19.7 | 1.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 15:16 | 1.9 | 19.8 | 1.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:09 | 5.0 | 8.0 | 11.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:09 | 5.0 | 7.7 | 11.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:32 | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:32 | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 126.3 | 2.0 | 8.0 | 1.3 | | | | 25 |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 126.3 | 2.9 | 8.0 | 1.9 | | | | 37 |
| 5173 / 1 / A / Office area ambient air with filter | 7/25/2013 | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 50s - 70s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:46 | 2.4 | 19.6 | 1.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:46 | 2.4 | 19.6 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:16 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:16 | 0 | 21.0 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:51 | 113.6 | 2.7 | 7.4 | 1.5 | | | | 29 |
| 5173 / 1 / C / Storage area without filter | | 14:51 | 113.6 | 2.8 | 7.7 | 1.9 | | | | 38 |
| 5173 / 1 / A / Office area ambient air with filter | | 8/1/2013 | 13:34 | 0.0 | 20.8 | 0.1 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 13:34 | | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 14:41 | | 1.0 | 18.9 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 14:41 | | 1.0 | 19.0 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 13:31 | | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 13:31 | | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 14:35 | | 0.9 | 7.4 | 11.3 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 14:35 | | 0.9 | 7.5 | 11.5 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 13:32 | | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 13:32 | | 0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 14:46 | | 173.9 | 2.1 | 6.7 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | 14:46 | | 173.9 | 2.5 | 7.4 | 2.1 | 41 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/6/2013 | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 60s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.5 | 18.7 | 2.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.5 | 18.6 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:04 | 0.0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:04 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 151.3 | 2.6 | 7.0 | 1.5 | | | | 30 |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 151.3 | 3.0 | 7.0 | 2.2 | | | | 44 |
| 5173 / 1 / A / Office area ambient air with filter | | 8/15/2013 | 12:52 | 0.0 | 20.8 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:52 | | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 13:51 | | 0.3 | 19.3 | 2.2 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 13:51 | | 0.3 | 19.2 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:50 | | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:50 | | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 13:45 | | 1.8 | 6.4 | 11.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 13:45 | | 1.8 | 6.6 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:54 | | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:54 | | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 13:57 | | 85.8 | 2.3 | 6.6 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | 13:57 | | 85.8 | 2.8 | 6.7 | 2.0 | 40 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/22/2013 | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 60s - 80s | Trace (0.06 in.) | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.3 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 91.2 | 1.6 | 7.0 | 1.4 | | | | 28 |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 91.2 | 1.8 | 7.0 | 2.2 | | | | 45 |

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|-----------|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-----|
| 5173 / 1 / A / Office area ambient air with filter | 8/27/2013 | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | 70s - 80s | None | | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 1.9 | 19.2 | 1.6 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 1.9 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:25 | 0.0 | 20.5 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:25 | 0.0 | 20.5 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.1 | 20.4 | 0.1 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.1 | 20.4 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 91.4 | 3.1 | 6.4 | 1.5 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 91.4 | 2.0 | 7.0 | 2.6 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | | 9/5/2013 | 15:09 | - | 21.0 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 15:09 | | - | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | 15:32 | | 1.0 | 19.2 | 1.1 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | 15:32 | | 1.0 | 19.1 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 15:00 | | - | 20.2 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 15:00 | | - | 20.3 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | 15:40 | | 1.5 | 6.4 | 11.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | 15:40 | | 1.5 | 6.6 | 11.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 15:16 | | - | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 15:16 | | 0 | 2.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | 15:46 | | 85 | 2.3 | 6.9 | 1.6 | | | | |
| 5173 / 1 / C / Storage area without filter | 15:46 | | 85 | 2.3 | 6.8 | 2.2 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/12/2013 | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | 60s-80s | 0.29 inches | | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 17:35 | 0.3 | 20.0 | 0.7 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 17:35 | 0.3 | 19.9 | 1.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 17:40 | 0.0 | 6.8 | 11.4 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 17:40 | 0.0 | 6.8 | 11.7 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 17:43 | 83.4 | 2.4 | 7.0 | 1.7 | | | | |
| 5173 / 1 / C / Storage area without filter | | 17:43 | 83.4 | 2.4 | 6.9 | 2.3 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2013 | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 0.4 | 18.7 | 1.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 0.4 | 18.6 | 1.2 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:24 | 1.2 | 6.5 | 10.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:24 | 1.2 | 6.5 | 10.9 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:29 | 88.9 | 2.0 | 6.3 | 1.4 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:29 | 88.9 | 2.1 | 6.1 | 1.9 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/24/2013 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 40s - 70s | None | 1016 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 14:44 | 0.3 | 18.1 | 1.4 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 14:44 | 0.3 | 18.0 | 1.5 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:38 | 1.2 | 6.7 | 10.0 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:38 | 1.2 | 6.7 | 10.6 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.8 | 0.1 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 113.7 | 2.0 | 5.7 | 1.6 | | | | |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 113.7 | 2.0 | 5.9 | 2.1 | | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/3/2013 | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | | | | |
| 5173 / 1 / A / Office area with filter | | 13:39 | 0.0 | 17.9 | 2.5 | 0.0 | | | | |
| 5173 / 1 / A / Office area without filter | | 13:39 | 0.0 | 17.9 | 1.6 | 0.0 | | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0 | 20.9 | 0.0 | 0.0 | | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0 | 21.0 | 0.0 | 0.0 | | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 121.1 | 1.7 | 5.2 | 1.5 | | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 121.1 | 1.8 | 5.9 | 2.0 | | | | |

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O ₂ (%) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|------------|--|-----------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-------------|
| 5173 / 1 / A / Office area ambient air with filter | 10/10/2013 | 13:26 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 40s - 70s | None | 1020 - 1022 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:56 | 0.6 | 16.2 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:56 | 0.6 | 16.2 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:01 | 1.3 | 6.0 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:01 | 1.3 | 5.8 | 10.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:12 | 91.55 | 2.4 | 5.6 | 1.4 | 28 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:12 | 91.55 | 1.8 | 5.2 | 1.9 | 39 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/17/2013 | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | 40s - 50s | 0.1 inches | 1011 - 1014 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.5 | 16.4 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.5 | 16.3 | 2.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0 | 20.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:58 | 138.6 | 2.4 | 4.9 | 1.4 | 28 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:58 | 138.6 | 2.2 | 5.2 | 1.9 | 38 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/24/2013 | 12:26 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:26 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:50 | 3.6 | 16.2 | 1.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:50 | 3.6 | 16.0 | 2.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:54 | 223 | 4.3 | 2.5 | 1.0 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:54 | 223 | 4.9 | 4.2 | 1.3 | 25 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/31/2013 | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 60s | 1.25 inches | 1000 - 1010 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 1.5 | 16.6 | 3.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 1.5 | 16.8 | 2.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:13 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:13 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:21 | 1.9 | 10.3 | 6.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:21 | 1.9 | 10.3 | 7.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:26 | 0.3 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:26 | 0.3 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:26 | 103.3 | 7.4 | 3.7 | 0.7 | 14 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:26 | 103.3 | 7.4 | 3.2 | 1.0 | 19 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/7/2013 | 12:48 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 40s | Trace (0.04 inches) | 1020 - 1025 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 1.5 | 15.3 | 3.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 1.5 | 15.2 | 3.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:09 | 112.3 | 3.0 | 3.7 | 1.0 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:09 | 112.3 | 3.0 | 4.2 | 1.3 | 26 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/12/2013 | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:45 | 1.2 | 15.3 | 3.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:45 | 1.2 | 15.2 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:52 | 105.9 | 3.1 | 3.4 | 1.0 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:52 | 105.9 | 2.9 | 3.9 | 1.3 | 26 | | | |

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

| <i>Sample Location:</i> <i>Parcel / Building / Probe</i> | <i>Date:</i> | <i>PID</i> <i>Time (ppm)</i> | <i>O₂</i> <i>(%)</i> | <i>CO₂</i> <i>(%)</i> | <i>CH₄</i> <i>(%)</i> | <i>LEL</i> <i>(%)</i> | <i>Ambient</i> <i>Temperature (°F)</i> | <i>Summary of Recent</i> <i>Precipitation</i> | <i>Barometric Pressure</i> <i>(hPa)</i> |
|---|--------------|---------------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---|--|--|
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2013 | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | 20s - 40s | None | 1023 - 1026 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 15.5 | 3.0 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 15.2 | 3.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:47 | 0.0 | 6.7 | 8.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:47 | 0.0 | 6.4 | 9.3 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:35 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 133.9 | 3.2 | 4.3 | 0.9 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 133.9 | 2.8 | 3.7 | 1.3 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/26/2013 | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 30s | Trace (0.01 inches) | 1013 - 1019 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 14.6 | 4.7 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 14.8 | 3.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 0.0 | 20.9 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 0.0 | 21.0 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.0 | 6.5 | 8.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.0 | 6.6 | 9.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:56 | 0.0 | 21.1 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:56 | 0.0 | 21.2 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:57 | 90.7 | 2.3 | 4.2 | 1.0 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:57 | 90.7 | 2.2 | 3.5 | 1.3 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/5/2013 | 13:33 | 0.1 | 21.8 | 0.0 | 0.0 | 30s - 40s | 0.07 inches | 1013 - 1016 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.1 | 21.7 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:07 | 1.2 | 14.8 | 3.6 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:07 | 1.2 | 14.8 | 4.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:14 | 0.0 | 21.4 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:14 | 0.0 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 1.9 | 6.6 | 8.9 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 1.9 | 6.6 | 9.4 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.3 | 21.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.3 | 21.7 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:11 | 189.7 | 2.8 | 3.5 | 0.9 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:11 | 189.7 | 2.7 | 3.5 | 1.3 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/12/2013 | 13:59 | 0.0 | 21.0 | 0.1 | 0.0 | 15 - 20 | None | 1030 - 1036 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:59 | 0.0 | 21.1 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:52 | 0.6 | 18.8 | 2.5 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:52 | 0.6 | 19.2 | 1.4 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:18 | 0.0 | 21.2 | 0.1 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:18 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 1.6 | 6.8 | 8.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 1.6 | 6.5 | 9.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:33 | 0.0 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:33 | 0.0 | 21.5 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:57 | 96.2 | 8.8 | 2.9 | 0.3 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:57 | 96.2 | 8.7 | 2.7 | 0.5 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/19/2013 | 14:36 | 0.0 | 21.6 | 0.0 | 0.0 | 30s - 40s | None | 1016 - 1018 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:36 | 0.0 | 21.5 | 0.1 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:00 | 0.6 | 20.8 | 0.5 | 0.0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:00 | 0.6 | 20.7 | 0.6 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0.0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:05 | 0.0 | 9.0 | 7.8 | 0.0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:05 | 0.0 | 9.1 | 8.3 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0.0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:08 | 116.3 | 11.8 | 1.3 | 0.1 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:08 | 116.3 | 11.7 | 1.8 | 0.2 | | | |

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time (ppm) | O₂ (%) | CO₂ (%) | CH₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|--|--------------|--|--|--|--|--|-------------------------------------|--|--------------------------------------|
| 5173 / 1 / A / Office area ambient air with filter 5173 / 1 / A / Office area ambient air without filter 5173 / 1 / A / Office area with filter 5173 / 1 / A / Office area without filter 5173 / 1 / B / Firing Range ambient air with filter 5173 / 1 / B / Firing Range ambient air without filter 5173 / 1 / B / Firing Range with filter 5173 / 1 / B / Firing Range without filter 5173 / 1 / Storage area ambient air, with filter 5173 / 1 / Storage area ambient air, without filter 5173 / 1 / C / Storage area with filter 5173 / 1 / C / Storage area without filter | 12/23/2013 | 12:46 0.0 12:46 0.0 13:04 0.0 13:04 0.0 12:41 0.0 12:41 0.0 13:10 0.4 13:10 0.4 12:43 0.0 12:43 0.0 13:15 126.8 13:15 126.8 | 21.5 21.5 16.4 16.5 21.6 21.6 11.0 10.6 21.6 21.6 13.2 13.4 | 0.0 0.0 4.0 2.7 0.1 0.0 7.0 8.3 0.0 0.0 2.9 1.8 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.2 0.2 | 0 0 0 0 0 0 0 0 0 0 3 4 | 20s - 30s | Trace (0.02 inches) | 1026 - 1029 |
| 5173 / 1 / A / Office area ambient air with filter 5173 / 1 / A / Office area ambient air without filter 5173 / 1 / A / Office area with filter 5173 / 1 / A / Office area without filter 5173 / 1 / B / Firing Range 5173 / 1 / Storage area ambient air, with filter 5173 / 1 / Storage area ambient air, without filter 5173 / 1 / C / Storage area with filter 5173 / 1 / C / Storage area without filter | 1/2/2014 | 15:48 0.0 15:48 0.0 16:25 0.8 16:25 0.8 Inaccessible due to Firing Range operation 15:42 0.0 15:42 0.0 16:28 86.4 16:28 86.4 | 22.0 22.0 21.2 21.1 Inaccessible due to Firing Range operation 21.5 21.7 15.0 14.7 | 0.0 0.1 0.2 0.4 Inaccessible due to Firing Range operation 0.0 0.0 0.5 1.4 | 0.0 0.0 0.0 0.0 Inaccessible due to Firing Range operation 0.0 0.0 0.0 0.1 | 0 0 0 0 Inaccessible due to Firing Range operation 0 0 0.1 3 | 20 - 30 | 5.46 inches | 1012 - 1026 |
| 5173 / 1 / A / Office area ambient air with filter 5173 / 1 / A / Office area ambient air without filter 5173 / 1 / A / Office area with filter 5173 / 1 / A / Office area without filter 5173 / 1 / B / Firing Range ambient air with filter 5173 / 1 / B / Firing Range ambient air without filter 5173 / 1 / B / Firing Range with filter 5173 / 1 / B / Firing Range without filter 5173 / 1 / Storage area ambient air, with filter 5173 / 1 / Storage area ambient air, without filter 5173 / 1 / C / Storage area with filter 5173 / 1 / C / Storage area without filter | 1/9/2014 | 13:35 0.0 13:35 0.0 14:56 3.3 14:56 3.3 13:31 0.0 13:31 0.0 Inaccessible due to Firing Range operation Inaccessible due to Firing Range operation 13:33 0.0 13:33 0.0 15:00 81.4 15:00 81.4 | 21.2 21.3 20.7 21.0 21.2 21.2 Inaccessible due to Firing Range operation Inaccessible due to Firing Range operation 21.1 21.2 10.2 9.8 | 0.0 0.1 1.8 0.2 0.0 0.0 Inaccessible due to Firing Range operation Inaccessible due to Firing Range operation 0.0 0.0 0.8 1.4 | 0.0 0.0 0.0 0.0 0.0 0.0 Inaccessible due to Firing Range operation Inaccessible due to Firing Range operation 0.0 0.0 0.1 0.2 | 0 0 0 0 0 0 Inaccessible due to Firing Range operation Inaccessible due to Firing Range operation 0 0 3 5 | 20s - 30s | 1.55 inches | 1026 - 1035 |
| 5173 / 1 / A / Office area ambient air with filter 5173 / 1 / A / Office area ambient air without filter 5173 / 1 / A / Office area with filter 5173 / 1 / A / Office area without filter 5173 / 1 / B / Firing Range ambient air with filter 5173 / 1 / B / Firing Range ambient air without filter 5173 / 1 / B / Firing Range with filter 5173 / 1 / B / Firing Range without filter 5173 / 1 / Storage area ambient air, with filter 5173 / 1 / Storage area ambient air, without filter 5173 / 1 / C / Storage area with filter 5173 / 1 / C / Storage area without filter | 1/16/2014 | 12:34 0.0 12:34 0.0 13:13 2.1 13:13 2.1 12:36 0.0 12:36 0.0 Inaccessible due to Firing Range operation Inaccessible due to Firing Range operation 12:37 0.0 12:37 0.0 13:20 96.1 13:20 96.1 | 21.1 21.0 21.0 20.9 20.9 20.9 Inaccessible due to Firing Range operation Inaccessible due to Firing Range operation 20.9 20.9 14.7 14.6 | 0.0 0.0 0.4 0.1 0 0 Inaccessible due to Firing Range operation Inaccessible due to Firing Range operation 0.0 0.1 1.0 1.5 | 0.0 0.0 0.0 0.0 0 0 Inaccessible due to Firing Range operation Inaccessible due to Firing Range operation 0.0 0.0 0.1 0.2 | 0 0 0 0 0 0 Inaccessible due to Firing Range operation Inaccessible due to Firing Range operation 0 0 3 4 | 20s - 30s | 0.97 inches | 1008 - 1019 |
| 5173 / 1 / A / Office area ambient air with filter 5173 / 1 / A / Office area ambient air without filter 5173 / 1 / A / Office area with filter 5173 / 1 / A / Office area without filter 5173 / 1 / B / Firing Range ambient air with filter 5173 / 1 / B / Firing Range ambient air without filter 5173 / 1 / B / Firing Range with filter 5173 / 1 / B / Firing Range without filter 5173 / 1 / Storage area ambient air, with filter 5173 / 1 / Storage area ambient air, without filter 5173 / 1 / C / Storage area with filter 5173 / 1 / C / Storage area without filter | 1/23/2014 | 12:13 0.0 12:13 0.0 13:20 2.6 13:20 2.6 12:10 0.0 12:10 0.0 13:13 3.4 13:13 3.4 12:12 0.0 12:12 0.0 13:27 72.8 13:27 72.8 | 21.5 21.5 21.2 21.3 21.4 21.4 18.8 18.7 21.4 21.4 15.8 15.7 | 0.0 0.0 0.8 0.1 0.1 0 5.3 4.7 0.1 0.0 0.5 1.2 | 0.0 0.0 0.0 0.0 0 0 0.0 0.0 0.0 0.0 0.1 0.2 | 0 0 0 0 0 0 0 0 0 0 2 4 | 5 - 15 | Trace | 1019 - 1038 |
| 5173 / 1 / A / Office area ambient air with filter 5173 / 1 / A / Office area ambient air without filter 5173 / 1 / A / Office area with filter 5173 / 1 / A / Office area without filter 5173 / 1 / B / Firing Range ambient air with filter 5173 / 1 / B / Firing Range ambient air without filter 5173 / 1 / B / Firing Range with filter 5173 / 1 / B / Firing Range without filter 5173 / 1 / Storage area ambient air, with filter 5173 / 1 / Storage area ambient air, without filter 5173 / 1 / C / Storage area with filter 5173 / 1 / C / Storage area without filter | 1/28/2014 | 13:35 0.0 13:35 0.0 14:35 0.0 14:35 0.0 13:15 0.1 13:15 0.1 14:44 0.0 14:44 0.0 13:19 0.0 13:19 0.0 14:50 60.9 14:50 60.9 | 21.8 21.8 21.1 21.1 21.3 21.4 18.8 18.8 21.4 21.5 15.5 15.0 | 0.1 0.1 0.3 0.1 0 0 3.5 4.2 0.0 0.0 0.7 1.2 | 0.0 0.0 0.0 0.0 0 0 0.0 0.0 0.0 0.0 0.1 0.2 | 0 0 0 0 0 0 0 0 0 0 1 3 | 5 | None | 1030 - 1033 |

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 15 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| Sample Location: Parcel / Building / Probe | Date: | PID Time | O ₂ (ppm) | CO ₂ (%) | CH ₄ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | |
|--|--|--|-------------------------|------------------------|------------------------|------------|-----------------------------|------------------------------------|------------------------------|-------------|
| 5173 / 1 / A / Office area ambient air with filter | 2/6/2014 | 13:10 | 0.0 | 21.1 | 0.1 | 0.0 | 15 - 25 | 0.3 inches | 1029 - 1032 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:00 | 2.3 | 21.2 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:00 | 2.3 | 21.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:12 | 0.0 | 20.9 | 0.1 | 0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:12 | 0.0 | 20.9 | 0 | 0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:14 | 0.0 | 21.0 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:14 | 0.0 | 21.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 105.9 | 16.9 | 1.0 | 0.1 | | | | 2 |
| 5173 / 1 / C / Storage area without filter | | 14:10 | 105.9 | 16.8 | 1.2 | 0.1 | | | | 2 |
| 5173 / 1 / A / Office area ambient air with filter | 2/13/2014 | 13:48 | 0.0 | 21.2 | 0.0 | 0.0 | 25 - 35 | None | 1003 - 1018 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 15:30 | 1.8 | 20.9 | 2.4 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 15:30 | 1.8 | 21.2 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 21.1 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range with filter | | 15:25 | 4.1 | 19.2 | 2.5 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range without filter | | 15:25 | 4.1 | 19.1 | 3.1 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, with filter | | 9:43 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 9:43 | 0.0 | 21.0 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 9:55 | 117.4 | 15.9 | 0.8 | 0.1 | | | | 1 |
| 5173 / 1 / C / Storage area without filter | | 9:55 | 117.4 | 15.8 | 1.2 | 0.1 | | | | 1 |
| 5173 / 1 / A / Office area ambient air with filter | 2/20/2014 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 35 - 40 | None | 1010 - 1014 | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area with filter | | 14:25 | 0.4 | 20.5 | 0.8 | 0.0 | | | | 0 |
| 5173 / 1 / A / Office area without filter | | 14:25 | 0.4 | 20.8 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:44 | 0.0 | 20.7 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:44 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:45 | 0.0 | 20.7 | 0.0 | 0.0 | | | | 0 |
| 5173 / 1 / Storage area ambient air, without filter | | 13:45 | 0.0 | 20.7 | 0.1 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area with filter | | 14:32 | 63.4 | 16.5 | 1.0 | 0.0 | | | | 0 |
| 5173 / 1 / C / Storage area without filter | | 14:32 | 63.4 | 16.5 | 1.2 | 0.1 | | | | 2 |
| 5173 / 1 / A / Office area ambient air with filter | | 2/27/2014 | 12:56 | 0.0 | 21.2 | 0.0 | | | | 0.0 |
| 5173 / 1 / A / Office area ambient air without filter | 12:56 | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | 13:25 | | 0.9 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | 13:25 | | 0.9 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | 12:54 | | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | 12:54 | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | Inaccessible due to Firing Range operation | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | 12:52 | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 12:52 | | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | 13:32 | | 64.0 | 16.5 | 2.3 | 0.1 | 1 | | | |
| 5173 / 1 / C / Storage area without filter | 13:32 | | 64.0 | 16.6 | 1.1 | 0.2 | 3 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/6/2014 | | 13:40 | 0.0 | 20.9 | 0.0 | 0.0 | 35 - 45 | None | 1020 - 1029 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:40 | 0.2 | 20.7 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:40 | 0.2 | 20.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 57.1 | 16.0 | 1.2 | 0.1 | 2 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 57.1 | 15.8 | 1.2 | 0.1 | 3 | | | |

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

2 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|------------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | -- | -- | 2.0 | 11.6 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | -- | 4.6 | 10.0 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 ^[1] | | | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 ^[1] | | | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none | | |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none | | |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|--|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none | | |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch | | |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None | | |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace | | |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None | | |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None | | |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/30/2013 | 14:45 | 0.0 | 16.8 | 3.4 | 0.0 | 0.0 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 17.0 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:50 | 0.0 | 16.3 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:50 | 0.0 | 16.7 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/9/2013 | 14:41 | 0.0 | 14.8 | 3.3 | 0.0 | 0.0 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:41 | 0.0 | 14.9 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:45 | 0.0 | 14.1 | 3.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:45 | 0.0 | 14.5 | 1.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/16/2013 | 13:25 | 0.0 | 15.3 | 4.1 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| GP-2 (12') with filter | | 13:25 | 0.0 | 15.3 | 4.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/21/2013 | 15:29 | 0.0 | 13.7 | 3.8 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch | | |
| GP-2 (12') with filter | | 15:29 | 0.0 | 13.8 | 3.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:32 | 0.0 | 12.7 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:32 | 0.0 | 12.8 | 3.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/30/2013 | 13:20 | 0.0 | 15.8 | 3.8 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| GP-2 (12') with filter | | 13:20 | 0.0 | 15.8 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:25 | 0.0 | 13.1 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:25 | 0.0 | 13.0 | 5.3 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/6/2013 | 14:50 | 0.0 | 16.3 | 4.6 | 0.0 | 0.0 | 60s | 0.25 inch | | |
| GP-2 (12') with filter | | 14:50 | 0.0 | 16.2 | 4.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:00 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:00 | 0.0 | 14.7 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/13/2013 | 16:05 | 0.0 | 8.2 | 5.4 | 0.0 | 0.0 | 60s - 80s | 1.55 inch | | |
| GP-2 (12') with filter | | 16:05 | 0.0 | 7.5 | 5.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 16:10 | -- | 5.2 | 6.6 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 16:10 | -- | 5.1 | 6.4 | 0.0 | 0.0 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 6/20/2013 | -- | 0.0 | 8.0 | 6.1 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.3 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | -- | -- | 5.3 | 6.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | -- | -- | 5.6 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/27/2013 | 14:06 | 0.6 | 15.9 | 1.5 | 0.0 | 0.0 | 70s - 80s | Trace | | |
| GP-2 (12') with filter | | 14:06 | 0.6 | 16.3 | 0.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 43.6 | 3.7 | 2.6 | 1.6 | 30 | | | | |
| GP-2 (16') with filter | | 14:11 | 43.6 | 2.1 | 3.6 | 1.0 | 20 | | | | |
| GP-2 (12') without filter | 7/3/2013 | 13:18 | 23.5 | 6.9 | 4.9 | 1.4 | 28 | 60s - 80s | Trace | | |
| GP-2 (12') with filter | | 13:18 | 23.5 | 7.5 | 3.4 | 0.7 | 13 | | | | |
| GP-2 (16') without filter | | 13:22 | 59.6 | 1.9 | 7.1 | 5.8 | >100 | | | | |
| GP-2 (16') with filter | | 13:22 | 59.6 | 1.6 | 6.9 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/11/2013 | 14:45 | 40.4 | 4.0 | 6.5 | 6.5 | >100 | 60s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 40.4 | 4.0 | 4.9 | 3.4 | 68 | | | | |
| GP-2 (16') without filter | | 14:51 | 55.6 | 4.6 | 6.2 | 11.2 | >100 | | | | |
| GP-2 (16') with filter | | 14:51 | 55.6 | 3.9 | 5.0 | 2.2 | 44 | | | | |
| GP-2 (12') without filter | 7/18/2013 | 14:35 | 20.4 | 17.7 | 1.2 | 0.5 | 10 | 70s - 90s | None | | |
| GP-2 (12') with filter | | 14:35 | 20.4 | 17.7 | 1.0 | 0.2 | 5 | | | | |
| GP-2 (16') without filter | | 14:41 | 44.3 | 1.9 | 7.4 | 5.1 | >100 | | | | |
| GP-2 (16') with filter | | 14:41 | 44.3 | 4.7 | 1.8 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/25/2013 | 14:15 | 38.7 | 4.8 | 6.5 | 3.8 | 75 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:15 | 38.7 | 4.7 | 6.1 | 3.0 | 60 | | | | |
| GP-2 (16') without filter | | 14:20 | 48.3 | 4.4 | 7.9 | 4.0 | 80 | | | | |
| GP-2 (16') with filter | | 14:20 | 48.3 | 4.2 | 8.3 | 3.3 | 65 | | | | |
| GP-2 (12') without filter | 8/1/2013 | 14:00 | 83.5 | 8.1 | 5.3 | 1.4 | 28 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:00 | 83.5 | 6.2 | 4.9 | 1.1 | 21 | | | | |
| GP-2 (16') without filter | | 14:05 | 89.8 | 4.1 | 7.3 | 2.8 | 55 | | | | |
| GP-2 (16') with filter | | 14:05 | 89.8 | 3.1 | 7.2 | 1.8 | 35 | | | | |
| GP-2 (12') without filter | 8/6/2013 | 14:06 | 10.5 | 3.9 | 7.6 | 1.3 | 27 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:06 | 10.5 | 3.7 | 5.9 | 1.0 | 21 | | | | |
| GP-2 (16') without filter | | 14:10 | 31.6 | 4.3 | 7.4 | 2.5 | 51 | | | | |
| GP-2 (16') with filter | | 14:10 | 31.6 | 3.1 | 6.1 | 1.7 | 34 | | | | |
| GP-2 (12') without filter | 8/15/2013 | 13:35 | 16.6 | 7.9 | 3.1 | 2.0 | 40 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 13:35 | 16.6 | 7.7 | 3.3 | 1.6 | 32 | | | | |
| GP-2 (16') without filter | | 13:40 | 20.6 | 1.5 | 6.2 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:40 | 20.6 | 1.4 | 7.5 | 2.0 | 40 | | | | |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|---|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 8/22/2013 | 14:41 | 33.9 | 3.2 | 8.0 | 2.3 | 47 | 60s - 80s | Trace (0.06 in.) | | |
| GP-2 (12') with filter | | 14:41 | 33.9 | 3.2 | 8.4 | 2.0 | 41 | | | | |
| GP-2 (16') without filter | | 14:45 | 55.0 | 1.8 | 8.5 | 4.3 | 87 | | | | |
| GP-2 (16') with filter | | 14:45 | 55.0 | 1.6 | 8.3 | 2.0 | 41 | | | | |
| GP-2 (12') without filter | 8/27/2013 | 14:21 | 22.8 | 2.5 | 8.4 | 3.7 | 74 | 70s - 80s | None | | |
| GP-2 (12') with filter | | 14:21 | 22.8 | 2.6 | 8.9 | 1.9 | 39 | | | | |
| GP-2 (16') without filter | | 14:26 | 39.5 | 2.3 | 8.7 | 7.9 | >100 | | | | |
| GP-2 (16') with filter | | 14:26 | 39.5 | 2.2 | 9.0 | 6.1 | >100 | | | | |
| GP-2 (12') without filter | 9/5/2013 | - | 31.3 | 2.2 | 8.7 | 7.0 | >100 | 50s - 80s | None | | |
| GP-2 (12') with filter | | - | 31.3 | 2.3 | 6.9 | 3.0 | 58 | | | | |
| GP-2 (16') without filter | | - | 39.0 | 3.1 | 8.3 | 8.4 | >100 | | | | |
| GP-2 (16') with filter | | - | 39.0 | 3.7 | 6.5 | 2.8 | 56 | | | | |
| GP-2 | 9/12/2013 | Inaccessible due to high water/flood conditions | | | | | | 60s - 80s | 0.29 inches | | |
| GP-2 (12') without filter | 9/20/2013 | 24.7 | 2.6 | 8.7 | 3.2 | 65 | 60s - 80s | 0.6 inches | 1009 - 1013 | | |
| GP-2 (12') with filter | | 24.7 | 2.1 | 8.1 | 1.8 | 34 | | | | | |
| GP-2 (16') without filter | | 40.4 | 1.4 | 9.6 | 7.0 | >100 | | | | | |
| GP-2 (16') with filter | | 40.4 | 1.5 | 8.9 | 2.1 | 42 | | | | | |
| GP-2 (12') without filter | 9/24/2013 | 14:27 | 55.7 | 1.8 | 9.6 | 3.6 | 71 | 40s - 70s | None | 1016 - 1018 | |
| GP-2 (12') with filter | | 14:27 | 55.7 | 1.9 | 9.2 | 3.3 | 67 | | | | |
| GP-2 (16') without filter | | 14:33 | 68.4 | 1.5 | 10.0 | 4.3 | 86 | | | | |
| GP-2 (16') with filter | | 14:33 | 68.4 | 1.6 | 10.6 | 3.9 | 78 | | | | |
| GP-2 (12') without filter | 10/3/2013 | 13:27 | 0.9 | 6.8 | 7.2 | 1.3 | 25 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| GP-2 (12') with filter | | 13:27 | 0.9 | 6.9 | 5.8 | 1.1 | 17 | | | | |
| GP-2 (16') without filter | | 13:35 | 53.6 | 3.6 | 8.9 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:35 | 53.6 | 3.3 | 7.5 | 1.4 | 27 | | | | |
| GP-2 (12') without filter | 10/10/2013 | 13:41 | 18.6 | 0.7 | 10.3 | 1.9 | 38 | 40s - 70s | None | 1020 - 1022 | |
| GP-2 (12') with filter | | 13:41 | 18.6 | 0.5 | 10.2 | 1.3 | 27 | | | | |
| GP-2 (16') without filter | | 13:47 | 22.6 | 0.9 | 10.3 | 1.9 | 39 | | | | |
| GP-2 (16') with filter | | 13:47 | 22.6 | 1.7 | 9.0 | 1.2 | 25 | | | | |
| GP-2 (12') without filter | 10/17/2013 | 14:46 | 22.8 | 1.2 | 10.5 | 1.4 | 28 | 40s - 50s | 0.1 inches | 1011 - 1014 | MW-7: 18.56 |
| GP-2 (12') with filter | | 14:46 | 22.8 | 7.5 | 6.8 | 0.8 | 16 | | | | MW-8: 18.70 |
| GP-2 (16') without filter | | 14:50 | 23.1 | 1.3 | 10.6 | 1.5 | 29 | | | | MW-11: 20.31 |
| GP-2 (16') with filter | | 14:50 | 23.1 | 1.5 | 10.1 | 1.2 | 23 | | | | MW-12: 20.39 |
| GP-2 (12') without filter | 10/24/2013 | 13:42 | 0.0 | 1.5 | 10.9 | 0.0 | 0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | MW-7: 18.69 |
| GP-2 (12') with filter | | 13:42 | 0.0 | 1.6 | 10.2 | 0.0 | 0 | | | | MW-8: 18.83 |
| GP-2 (16') without filter | | 13:47 | 5.6 | 4.6 | 9.6 | 0.0 | 0 | | | | MW-11: 20.66 |
| GP-2 (16') with filter | | 13:47 | 5.6 | 4.9 | 8.6 | 0.0 | 0 | | | | MW-12: 20.44 |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|-------------|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 10/31/2013 | 15:07 | 0.0 | 6.3 | 8.2 | 0.0 | 0 | 60s | 1.25 inches | 1000 - 1010 | MW-7: 18.71 |
| GP-2 (12') with filter | | 15:07 | 0.0 | 6.4 | 7.3 | 0.0 | 0 | | | | MW-8: 18.87 |
| GP-2 (16') without filter | | 15:13 | 1.1 | 6.4 | 8.3 | 0.0 | 0 | | | | MW-11: 20.69 |
| GP-2 (16') with filter | | 15:13 | 1.1 | 6.7 | 7.5 | 0.0 | 0 | | | | MW-12: 20.47 |
| GP-2 (12') without filter | 11/7/2013 | 13:45 | 0.0 | 4.6 | 9.5 | 0.0 | 0 | 40s | Trace (0.04 inches) | 1020 - 1025 | MW-7: 18.43 |
| GP-2 (12') with filter | | 13:45 | 0.0 | 4.1 | 7.9 | 0.0 | 0 | | | | MW-8: 18.57 |
| GP-2 (16') without filter | | 13:51 | 0.0 | 2.6 | 10.7 | 0.0 | 0 | | | | MW-11: 20.28 |
| GP-2 (16') with filter | | 13:51 | 0.0 | 2.6 | 10.2 | 0.0 | 0 | | | | MW-12: 20.13 |
| GP-2 (12') without filter | 11/12/2013 | 13:32 | 0.0 | 5.8 | 9.5 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 | MW-7: 18.28 |
| GP-2 (12') with filter | | 13:32 | 0.0 | 6.2 | 8.6 | 0.0 | 0 | | | | MW-8: 18.37 |
| GP-2 (16') without filter | | 13:38 | 0.0 | 5.4 | 9.6 | 0.0 | 0 | | | | MW-11: 20.02 |
| GP-2 (16') with filter | | 13:38 | 0.0 | 5.3 | 8.6 | 0.0 | 0 | | | | MW-12: 19.86 |
| GP-2 (12') without filter | 11/20/2013 | 14:10 | 0.0 | 4.5 | 10.1 | 0.0 | 0 | 20s - 40s | None | 1023 - 1026 | MW-7: 18.27 |
| GP-2 (12') with filter | | 14:10 | 0.0 | 5.0 | 8.3 | 0.0 | 0 | | | | MW-8: 18.40 |
| GP-2 (16') without filter | | 14:15 | 0.0 | 3.5 | 10.4 | 0.0 | 0 | | | | MW-11: 20.24 |
| GP-2 (16') with filter | | 14:15 | 0.0 | 4.0 | 9.8 | 0.0 | 0 | | | | MW-12: 20.02 |
| GP-2 (12') without filter | 11/26/2013 | 14:35 | 0.0 | 3.4 | 10.4 | 0.1 | 1 | 30s | Trace (0.01 inches) | 1013 - 1019 | MW-7: 18.10 |
| GP-2 (12') with filter | | 14:35 | 0.0 | 3.4 | 9.5 | 0.0 | 0 | | | | MW-8: 18.25 |
| GP-2 (16') without filter | | 14:39 | 0.0 | 3.3 | 10.7 | 0.1 | 1 | | | | MW-11: 20.07 |
| GP-2 (16') with filter | | 14:39 | 0.0 | 3.3 | 10.6 | 0.1 | 1 | | | | MW-12: 19.85 |
| GP-2 (12') without filter | 12/5/2013 | 14:44 | 0.0 | 6.5 | 9.7 | 0.0 | 0 | 30s - 40s | 0.07 inches | 1013 - 1016 | MW-7: 18.38 |
| GP-2 (12') with filter | | 14:44 | 0.0 | 6.6 | 8.7 | 0.0 | 0 | | | | MW-8: 18.52 |
| GP-2 (16') without filter | | 14:49 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | | | MW-11: 20.35 |
| GP-2 (16') with filter | | 14:49 | 0.0 | 7.4 | 8.3 | 0.0 | 0 | | | | MW-12: 20.13 |
| GP-2 (12') without filter | 12/12/2013 | 15:45 | 0.0 | 9.9 | 8.5 | 0.0 | 0 | 15 - 20 | None | 1030 - 1036 | MW-7: 18.45 |
| GP-2 (12') with filter | | 15:45 | 0.0 | 9.7 | 8.3 | 0.0 | 0 | | | | MW-8: 18.60 |
| GP-2 (16') without filter | | 15:49 | 0.0 | 7.3 | 10.4 | 0.0 | 0 | | | | MW-11: 20.42 |
| GP-2 (16') with filter | | 15:49 | 0.0 | 6.9 | 9.8 | 0.0 | 0 | | | | MW-12: 20.20 |
| GP-2 (12') without filter | 12/19/2013 | 14:48 | 0.0 | 10.8 | 7.8 | 0.0 | 0 | 30s - 40s | None | 1016 - 1018 | MW-7: 18.39 |
| GP-2 (12') with filter | | 14:48 | 0.0 | 11.0 | 6.8 | 0.0 | 0 | | | | MW-8: 18.54 |
| GP-2 (16') without filter | | 14:51 | 0.0 | 9.0 | 8.9 | 0.0 | 0 | | | | MW-11: 20.37 |
| GP-2 (16') with filter | | 14:51 | 0.0 | 9.6 | 7.9 | 0.0 | 0 | | | | MW-12: 20.21 |
| GP-2 (12') without filter | 12/23/2013 | 11:20 | 0.0 | 8.1 | 7.9 | 0.0 | 0 | 20s - 30s | Trace (0.02 inches) | 1026 - 1029 | MW-7: 15.63 |
| GP-2 (12') with filter | | 11:20 | 0.0 | 8.1 | 6.9 | 0.0 | 0 | | | | MW-8: 15.72 |
| GP-2 (16') without filter | | 11:27 | 0.0 | 5.8 | 10.4 | 0.0 | 0 | | | | MW-11: 17.45 |
| GP-2 (16') with filter | | 11:27 | 0.0 | 7.6 | 8.7 | 0.0 | 0 | | | | MW-12: 17.32 |
| GP-2 (12') without filter | 1/2/2014 | 16:20 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 20s - 30s | 5.46 inches | 1012 - 1026 | MW-7: 15.24 |
| GP-2 (12') with filter | | 16:20 | 0.0 | 18.2 | 0.3 | 0.0 | 0 | | | | MW-8: 15.39 |
| GP-2 (16') without filter | | 16:24 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | | MW-11: 17.21 |
| GP-2 (16') with filter | | 16:24 | 0.0 | 21.5 | 0.3 | 0.0 | 0 | | | | MW-12: 16.98 |

TABLE 2

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄^[2] (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> | <i>Barometric Pressure (hPa)</i> | <i>Water Levels (ft BTOR)</i> |
|---------------------------|--------------|---|------------------|--------------------------|---------------------------|---|----------------|---------------------------------|--|----------------------------------|-------------------------------|
| GP-2 (12') without filter | 1/9/2014 | 14:40 | 0.0 | 13.8 | 6.6 | 0.0 | 0 | 20s - 30s | 1.55 inches | 1026 - 1035 | MW-7: 15.17 |
| GP-2 (12') with filter | | 14:40 | 0.0 | 14.0 | 6.0 | 0.0 | 0 | | | | MW-8: 15.28 |
| GP-2 (16') without filter | | 14:45 | 0.0 | 12.0 | 8.2 | 0.0 | 0 | | | | MW-11: 17.11 |
| GP-2 (16') with filter | | 14:45 | 0.0 | 13.1 | 6.7 | 0.0 | 0 | | | | MW-12: 16.98 |
| GP-2 (12') without filter | 1/16/2014 | 13:00 | 0.0 | 13.8 | 6.1 | 0.0 | 0 | 20s - 30s | 0.97 inches | 1008 - 1019 | MW-7: 15.93 |
| GP-2 (12') with filter | | 13:00 | 0.0 | 13.9 | 3.8 | 0.0 | 0 | | | | MW-8: 16.06 |
| GP-2 (16') without filter | | 13:07 | 0.0 | 12.9 | 7.2 | 0.0 | 0 | | | | MW-11: 17.90 |
| GP-2 (16') with filter | | 13:07 | 0.0 | 13.2 | 4.1 | 0.0 | 0 | | | | MW-12: 17.71 |
| GP-2 (12') without filter | 1/23/2014 | 13:00 | 0.0 | 16.8 | 5.1 | 0.0 | 0 | 5 - 15 | Trace | 1019 - 1038 | MW-7: 15.62 |
| GP-2 (12') with filter | | 13:00 | 0.0 | 16.5 | 4.7 | 0.0 | 0 | | | | MW-8: 15.83 |
| GP-2 (16') without filter | | 13:07 | 0.0 | 15.4 | 6.0 | 0.0 | 0 | | | | MW-11: 17.59 |
| GP-2 (16') with filter | | 13:07 | 0.0 | 15.3 | 4.9 | 0.0 | 0 | | | | MW-12: 17.46 |
| GP-2 (12') without filter | 1/28/2014 | 14:25 | 0.0 | 17.3 | 4.6 | 0.0 | 0 | 5 | None | 1030 - 1033 | MW-7: 17.27 |
| GP-2 (12') with filter | | 14:25 | 0.0 | 17.3 | 4.1 | 0.0 | 0 | | | | MW-8: 17.41 |
| GP-2 (16') without filter | | 14:30 | 0.0 | 15.2 | 6.5 | 0.0 | 0 | | | | MW-11 & MW-12: iced over |
| GP-2 (16') with filter | | 14:30 | 0.0 | 15.2 | 5.8 | 0.0 | 0 | | | | |
| GP-2 (12') | 2/6/2014 | Inaccessible due to snow coverage from road plows | | | | | | 15 - 25 | 0.3 inches | 1029 - 1032 | Inaccessible |
| GP-2 (12') without filter | 2/13/2014 | 15:16 | 0.0 | 17.5 | 4.5 | 0.0 | 0 | 25 - 35 | None | 1003 - 1018 | MW-7: 17.62 |
| GP-2 (12') with filter | | 15:16 | 0.0 | 17.7 | 3.8 | 0.0 | 0 | | | | MW-8: 17.77 |
| GP-2 (16') without filter | | 15:20 | 0.0 | 19.3 | 2.2 | 0.0 | 0 | | | | MW-11 & MW-12: iced over |
| GP-2 (16') with filter | | 15:20 | 0.0 | 19.5 | 0.6 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 2/20/2014 | 14:12 | 0.0 | 16.8 | 4.3 | 0.0 | 0 | 35 - 40 | None | 1010 - 1014 | MW-7: 17.53 |
| GP-2 (12') with filter | | 14:12 | 0.0 | 16.8 | 4.0 | 0.0 | 0 | | | | MW-8: 17.66 |
| GP-2 (16') without filter | | 14:14 | 0.0 | 15.8 | 5.4 | 0.0 | 0 | | | | MW-11: 19:50 |
| GP-2 (16') with filter | | 14:14 | 0.0 | 15.9 | 4.5 | 0.0 | 0 | | | | MW-12: 19.27 |
| GP-2 (12') without filter | 2/27/2014 | 13:10 | 0.1 | 19.3 | 2.3 | 0.0 | 0 | 15 - 25 | Trace | 1008 - 1024 | MW-7: 15.64 |
| GP-2 (12') with filter | | 13:10 | 0.1 | 19.4 | 1.7 | 0.0 | 0 | | | | MW-8: 15.78 |
| GP-2 (16') without filter | | 13:17 | 0.0 | 17.2 | 4.8 | 0.1 | 0 | | | | MW-11: 17.59 |
| GP-2 (16') with filter | | 13:17 | 0.0 | 17.4 | 4.1 | 0.0 | 0 | | | | MW-12: 17.41 |
| GP-2 (12') without filter | 3/6/2014 | 14:21 | 0.0 | 17.8 | 4.3 | 0.0 | 0 | 35 - 45 | None | 1020 - 1029 | MW-7: na |
| GP-2 (12') with filter | | 14:21 | 0.0 | 17.7 | 4.1 | 0.0 | 0 | | | | MW-8: na |
| GP-2 (16') without filter | | | 0.0 | 16.8 | 5.2 | 0.0 | 0 | | | | MW-11: na |
| GP-2 (16') with filter | | | 0.0 | 16.7 | 5.1 | 0.0 | 0 | | | | MW-12: na |

Notes

^[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than LEL for methane (5 percent methane)

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP22-13 (20') without filter | 7/11/2013 | 14:55 | 0.1 | 8.4 | 3.4 | 0.0 | 0 | 60s - 70s | None |
| GP22-13 (20') with filter | | 14:55 | 0.1 | 8.4 | 3.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 15:01 | 0.9 | 15.6 | 3.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:01 | 0.9 | 15.0 | 2.1 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 10.1 | 7.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 8.6 | 7.5 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:10 | 0.3 | 11.5 | 6.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:10 | 0.3 | 11.4 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') without filter | 7/18/2013 | 15:31 | 0.0 | 16.2 | 3.0 | 0.0 | 0 | 70s - 90s | None |
| GP-7 (8') with filter | | 15:31 | 0.0 | 16.1 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 15:31 | 0.0 | 13.0 | 5.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 15:31 | 0.0 | 13.4 | 4.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 15:25 | 0.1 | 0.9 | 10.2 | 0.5 | 12 | | |
| GP12-09 (6') with filter | | 15:25 | 0.1 | 1.2 | 11.3 | 0.6 | 12 | | |
| GP22-13 (20') without filter | | 14:45 | 0.3 | 14.5 | 1.0 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:45 | 0.3 | 14.6 | 1.3 | 0.1 | 1 | | |
| GP23-13 (18.5') without filter | | 14:51 | 0.0 | 12.2 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:51 | 0.0 | 12.4 | 6.0 | 0.1 | 1 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.4 | 4.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.2 | 4.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:02 | 0.0 | 14.1 | 4.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:02 | 0.0 | 16.8 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | 7/25/2013 | 14:24 | 0.0 | 16.8 | 3.4 | 0.0 | 0 | 50s - 70s | None |
| GP-7 (8') without filter | | 14:24 | 0.0 | 16.7 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:24 | 0.0 | 13.2 | 5.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:24 | 0.0 | 13.2 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:24 | 0.0 | 10.4 | 6.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:24 | 0.0 | 10.4 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:37 | 0.6 | 18.0 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:37 | 0.6 | 18.0 | 4.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:42 | 0.0 | 14.1 | 4.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:42 | 0.0 | 14.2 | 4.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/1/2013 | 14:11 | 0.0 | 12.4 | 5.9 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 14:11 | 0.0 | 12.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:17 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:17 | 0.0 | 16.4 | 3.0 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:17 | 0.0 | 13.2 | 4.7 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:17 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:17 | 0.0 | 11.4 | 6.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:17 | 0.0 | 11.1 | 6.1 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:30 | 0.1 | 7.8 | 7.3 | 0.3 | 6 | | |
| GP12-09 (6') with filter | | 14:30 | 0.1 | 8.3 | 7.8 | 0.2 | 4 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP23-13 (18.5') without filter | 8/6/2013 | 13:56 | 0.1 | 12.6 | 5.4 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 13:56 | 0.1 | 10.4 | 5.8 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:40 | 0.0 | 16.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:40 | 0.0 | 16.1 | 4.5 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:40 | 0.0 | 13.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:40 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:40 | 0.0 | 10.5 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:40 | 0.0 | 10.6 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 8/15/2013 | 14:01 | 0.3 | 8.7 | 6.4 | 0.0 | 0 | 40s - 70s | None |
| GP12-09 (6') with filter | | 14:01 | 0.3 | 8.9 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:05 | 0.0 | 20.2 | 1.3 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:05 | 0.0 | 19.8 | 1.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:11 | 0.0 | 11.1 | 6.7 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:11 | 0.0 | 9.4 | 6.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:17 | 0.0 | 12.8 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:17 | 0.0 | 14.5 | 4.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | 8/22/2013 | 13:17 | 0.0 | 13.0 | 4.9 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) |
| GP-7 (12') with filter | | 13:17 | 0.0 | 13.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:17 | 0.0 | 9.3 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:17 | 0.0 | 9.1 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:21 | 0.0 | 0.9 | 12.0 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:21 | 0.0 | 0.9 | 11.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:15 | 0.0 | 10.4 | 6.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:15 | 0.0 | 10.6 | 6.1 | 0.0 | 0 | | |
| GP-7 (8') without filter | 8/27/2013 | 14:26 | 0.0 | 10.4 | 7.0 | 0.0 | 0 | 70s - 80s | None |
| GP-7 (8') with filter | | 14:26 | 0.0 | 10.2 | 6.4 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:26 | 0.0 | 9.5 | 7.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:26 | 0.0 | 9.2 | 7.2 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:26 | 0.0 | 8.2 | 7.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:26 | 0.0 | 8.4 | 7.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:55 | 0.3 | 1.6 | 11.9 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:55 | 0.3 | 1.5 | 11.2 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/27/2013 | 14:01 | 0.1 | 10.5 | 7.5 | 0.0 | 0 | 70s - 80s | None |
| GP23-13 (18.5') with filter | | 14:01 | 0.1 | 8.6 | 8.2 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:05 | 0.0 | 11.1 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:05 | 0.0 | 10.4 | 7.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:05 | 0.1 | 9.8 | 7.6 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:05 | 0.1 | 9.2 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:05 | 0.1 | 8.9 | 7.8 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:05 | 0.1 | 8.9 | 7.5 | 0.0 | 0 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP12-09 (6') without filter | 9/5/2013 | - | 0.0 | 17.9 | 3.1 | 0.1 | 1 | 50s - 80s | None |
| GP12-09 (6') with filter | | - | 0.0 | 17.5 | 3.7 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | - | 0.3 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | - | 0.3 | 11.7 | 5.5 | 0.0 | 0 | | |
| GP-7 (8') without filter | | - | 0.0 | 11.0 | 7.2 | 0.0 | 0 | | |
| GP-7 (8') with filter | | - | 0.0 | 11.3 | 5.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | - | 0.0 | 10.3 | 7.5 | 0.0 | 0 | | |
| GP-7 (12') with filter | | - | 0.0 | 10.6 | 6.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | - | 0.0 | 8.4 | 8.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | - | 0.0 | 8.4 | 7.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 9/12/2013 | 17:45 | 0.0 | 10.4 | 8.1 | 0.1 | 2 | 60-80s | 0.29 inches |
| GP23-13 (18.5') with filter | | 17:45 | 0.0 | 10.7 | 6.4 | 0.1 | 2 | | |
| GP-7 (8') without filter | | -- | 0.0 | 10.9 | 7.6 | 0.0 | 0 | | |
| GP-7 (8') with filter | | -- | 0.0 | 10.8 | 7.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | -- | 0.1 | 8.3 | 9.3 | 0.0 | 0 | | |
| GP-7 (12') with filter | | -- | 0.1 | 8.2 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') without filter | | -- | -- | 7.8 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') with filter | | -- | -- | 7.9 | 8.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | 10/17/2013 | 14:18 | 0.0 | 11.5 | 7.1 | 0.0 | 0 | 40s - 50s | 0.1 inches |
| GP-7 (8') with filter | | 14:18 | 0.0 | 13.5 | 5.1 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:23 | 0.0 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:23 | 0.0 | 9.3 | 8.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:27 | 0.0 | 7.9 | 10.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:27 | 0.0 | 8.4 | 9.3 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:14 | 0.0 | 17.4 | 2.4 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:14 | 0.0 | 17.6 | 1.5 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:31 | 0.0 | 0.5 | 9.7 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:31 | 0.0 | 1.0 | 8.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:35 | 0.0 | 8.7 | 10.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:35 | 0.0 | 8.2 | 10.0 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 8.1 | 10.4 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 10.8 | 7.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:42 | 0.0 | 11.4 | 7.2 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:42 | 11.8 | 5.9 | 0.0 | 0.0 | 0 | | |
| GP-7 (8') without filter | 11/12/2013 | 13:00 | 0.0 | 14.4 | 5.5 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) |
| GP-7 (8') with filter | | 13:00 | 0.0 | 15.5 | 4.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:06 | 0.0 | 13.7 | 6.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:06 | 0.0 | 13.8 | 5.5 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:13 | 0.0 | 10.6 | 8.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:13 | 0.0 | 11.7 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:19 | 0.0 | 16.1 | 2.7 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:19 | 0.0 | 16.8 | 1.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:25 | 0.0 | 10.3 | 8.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:25 | 0.0 | 10.1 | 7.6 | 0.0 | 0 | | |

TABLE 3

**2013 SOIL GAS PROBE FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

| <i>Sample Location:</i> | <i>Date:</i> | <i>Time</i> | <i>PID (ppm)</i> | <i>O₂ (%)</i> | <i>CO₂ (%)</i> | <i>CH₄ (%)</i> | <i>LEL (%)</i> | <i>Ambient Temperature (°F)</i> | <i>Summary of Recent Precipitation</i> |
|--------------------------------|--------------|-------------------------|----------------------|--------------------------|---------------------------|---------------------------|----------------|---|--|
| GP-7 | 12/19/2013 | Buried Under Snow & Ice | | | | | | 30s - 40s | None |
| GP12-09 (6') without filter | | 14:54 | 0.0 | 19.9 | 0.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:54 | 0.0 | 19.0 | 0.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:57 | 0.0 | 12.1 | 8.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:57 | 0.0 | 12.4 | 7.0 | 0.0 | 0 | | |
| GP-7 (8') without filter | 1/9/2014 | 14:25 | 0.0 | 18.5 | 2.7 | 0.0 | 0 | 20s - 30s | 1.55 inches |
| GP-7 (8') with filter | | 14:25 | 0.0 | 19.0 | 1.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:30 | 0.0 | 18.2 | 2.8 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:30 | 0.0 | 18.4 | 1.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:36 | 0.0 | 16.2 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:36 | 0.0 | 16.7 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:20 | 0.0 | 12.9 | 3.6 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:20 | 0.0 | 12.6 | 2.9 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:00 | 0.0 | 8.5 | 6.3 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:00 | 0.0 | 15.8 | 2.5 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:05 | 0.0 | 14.2 | 6.1 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:05 | 0.0 | 16.8 | 3.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:11 | 0.0 | 14.3 | 5.4 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 14:11 | 0.0 | 17.7 | 2.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:16 | 0.1 | 16.5 | 3.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:16 | 0.1 | 15.5 | 2.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | 3/10/2014 | 11:17 | 0.0 | 19.6 | 1.8 | 0.0 | 0 | 40s - 50s | None |
| GP-7 (8') with filter | | 11:17 | 0.0 | 19.9 | 1.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | | 0.0 | 19.9 | 1.9 | 0.0 | 0 | | |
| GP-7 (12') with filter | | | 0.0 | 20.2 | 0.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | | | 19.8 | 2.8 | 0.0 | 0 | | |
| GP-7 (16') with filter | | | | 20.2 | 1.5 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 11:28 | 0.0 | 16.4 | 6.0 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 11:28 | 0.0 | 16.8 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | | 0.0 | 21.3 | 0.4 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | | 0.0 | 20.8 | 2.3 | 0.0 | 0 | | |

Notes

PID - Photoionization Detector
 O₂ - Oxygen
 CO₂ - Carbon Dioxide
 CH₄ - Methane
 LEL - Lower Explosive Limit
 NM - Not measured
 U - Qualified as non-detect due to issues with the filter
 Value - Value is greater than LEL for methane (5 percent methane)